				UTAH OIL	AND GAS CONSE	RVATION CO	OMMISSION	١	•	
REMARKS:	WELL LOG	ELE	ECTRIC LOGS	_EX	WATER SANDS	LOCATI	ON INSPECTED		SUB. REPORT/abd.	7

			·	····						
DATE FILED		-30-89								
LAND: FEE & F			EASE NO.			IC LEASE NO.	บ-309	56-A	INDIAN	
DRILLING APPR	ROVED: 9-	-13-89	(CAUSE NO.	102-16	B) + 3-10	91-		4		
SPUDDED IN:										
COMPLETED:	* 5-10-1	91 LA	PUT TO PRODUC	CING:						
INITIAL PRODU	JCTION:	<u> </u>					0/18	mal	1989 APD	
GRAVITY A.P.I.							Tu	195	rescinded 5-6-9	1/.
GOR:						(New	APD		3-12-91.
PRODUCING Z	ONES:									
TOTAL DEPTH	:									
WELL ELEVATION	ON:	_								
DATE ABANDO	NED: LAY	1 Ver	BUM EAT	ecture.	5-6-91					
FIELD:	G]	REATER								·
UNIT:										
COUNTY:	G1	RAND								
WELL NO.	Mo	C #1		+		API NO	. 43-01	9-312	93	•
LOCATION	611' F:	SL F	T. FROM (N) (S) LINE,	2354 F		FROM (E) (W) I		ISE	1/4 — 1/4 SEC.	10
TWP.	RGE.	SEC	OPERATOR			TWP.	RGE.	SEC.	OPERATOR	
215	23E	10	MASTER PET	RO. & DI	EV. CO.					

SUBMIT IN TRIPLICATE* (Other instructions on

reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES DEPARTMENT OF THE INTERIOR

5. LEASE DESIGNATION AND SERIAL NO. **GEOLOGICAL SURVEY** U-30956-A 6. IF INDIAN, ALLOTTER OR TRIBE NAME APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 7. UNIT AGREEMENT NAME DRILL X DEEPEN PLUG BACK [b. TYPE OF WELL SINGLE ZONE MULTIPLE __ WELL Y GAS WELL 8. FARM OR LEASE NAME OTHER 2. NAME OF OPERATOR 9. WELL NO. Master Petroleum & Development Co., Inc. # M.C.1 3. ADDRESS OF OPERATOR 10. FIELD AND POOL, OR WILDCAT 814 South 7th St., Grand Junction, Colorado, 81501 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface Greater Cisco 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 611' FSL, 2354' FEL, Section 10, T21S, R23E, SLM & B At proposed prod. zone SWŁ SEŁ Section 10,T21S,R23E SLM & B 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 4 miles NW of Cisco, Utah Utah Grand 15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg, unit line, if any) 16. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED TO THIS WELL 611' 40 10 18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS 1100' Rotary 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 22. APPROX. DATE WORK WILL STARTS 4408 Gr 10-5-89 23. PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CRMENT . 8½" 7" 20# <u> 160'</u> 23 sxs. 6±" 4분" 1100' 10.5# 40 sxs

In the event commercial production is encountered prior to reaching the proposed depth of 1100' casing shall be set and cemented to the productive zone.

(This space for Federal or State office use)		GNED	president	DATE_	8-26-89
The state of the s		This space for Federal or State office use)			
PERMIT NO APPROVAL DATE	A - 11 11. A-1 11-1 9/-189	BRMIT NO.	APPROVAL DATE		

BEFORE THE BOARD OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES IN AND FOR THE STATE OF UTAH

IN THE MATTER OF ADOPTING AMEND-MENTS TO FIELD RULE 1-2 AND 2-2, CAUSE NO. 2, NO. 102-5, AND NO. 102-16, WHICH RULES ESTABLISHED WILDCAT WELL SPACING FOR THE SEIBER-CISCO NOSE AREA, GRAND COUNTY, UTAH

FINDINGS AND ORDER

CAUSE NO. 102-16B

This cause came on for hearing before the Board of Oil, Gas and Mining at 10:00 a.m. on Wednesday, September 26, 1979, in the executive Conference Room, Holiday Inn, 1659 West North Temple, Salt Lake City, Utah.

The following Board Members were present:

Charles R. Henderson, Chairman

John L. Bell, Member

Edward T. Beck, Member

Thadis W. Box, Member

Constance K. Lundberg, Member

C. Ray Juvelin, Member

E. Steele McIntyre, Member

Appearances were made as follows:

James Bowers

Damon Gilland

Dean Christensen

Don Quigley

NOW, THEREFORE, the Board having heard the testimony of the witnesses and having considered the evidence and being advised in the premises, now makes and orders the following:

FINDINGS

- That due and regular notice of the time, place and purpose of the hearing was given to all interested parties in the form and manner and within the time required by law.
- 2. That the Board has jurisdiction over the matter covered by said application and over all parties interested therein and has jurisdiction to make and promulgate the order hereinafter set forth.
- 3. That the Dakota, Morrison and Cedar Mountain Formations underly the area under consideration.
- 4. That the sands of the Dakota, Morrison and Cedar Mountain Formations are lenticular in nature.

. 102-16B3 s

- 5. That most, if not all, of the operators in the area are of the opinion that it is not economically feasible to drill wells on the 40 acre or 640 acre wildcat spacing pattern as provided for in Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.
- 6. That there is unanimity among the operators with respect to the suggested amendments to $\frac{1}{2}$ Field Rule 2-2.

IT IS THEREFORE ORDERED:

<u>ORDER</u>

1. That the Board's order in Cause No. 2, Cause No. 102-5, and Cause No. 102-16 is hereby revised as follows:

Field Rule 1-2 reads:

The spacing of all wells drilled for oil or gas which are within the following described area--to wit:

Township 18South, Range 25 East' Sec: '25 through 36

Township 18 South, Range 26 East Sec: 29 through 32

Township 19 South, Range 23 East Sec: 19 through 36

Township 19 South, Range 24 East Sec: All

Township 19 South, Range 25 East Sec: All

Township 19 South, Range 26 East Sec: 5 through 8

Township 20 South, Range 21 East Sec: All

Township 20 South, Range 22 East Sec: All

Township 20 South, Range 23 East Sec: All

Township 20 South, Range 24 East Sec: All

Township 20 South, Range 25 East Sec: All

Township 21 South, Range 22 East Sec: 1 through 12

Township 21 South, Range 23 East Sec: All

Township 21 South, Range 24 East Sec: All

and are not within a pool for which drilling units have been established shall be governed by Field Rule 2-2.

Field Rule 2-2 is amended to read:

"All wells drilled for the discovery of oil and/or gas which are not within a pool, reservoir, or field for which drilling units have been established or for which a petition for establishment of a drilling unit has been fided, shall be located not less than 500 feet from any property or lease line and not less than 200 feet from the boundary of any legal subdivision comprising a governmental quarter-quarter section or equivalent lot or lots of comparable size and location, and not less that 400 feet from any oil well, or less than 1320 feet from any gas well, unless otherwise specifically authorized by the Board after notice of hearing.

Whenever an exception is granted by the Board, the Board may, at any time thereafter, take such action as will offset any advantage which the person securing the exception may obtain over the other producers in the area covered by Field Rule 1-2."

All previously drilled wells and all wells drilled in the future which:

- a. are less than 660 feet from the lease or property line and are classified as gas wells or
- b. are less than 200 feet from the lease or property line and are classified as oil wells

may be offset, the same distance from the property line or a drilling unit may be established for said well if the Board of Oil, Gas and Mining, finds, after notice and a hearing that correlative rights are being violated.

All notices of Intention of Drill must be accompanied by a plat on which is outlined the acreage covered by the lease on which the well is to be drilled.

Rule 1-2 and Rule 2-2 are only applicable to wells drilled or to be drilled to a depth of 3500 feet or less.

2. That the board retains continuing jurisdiction over all matters covered by this order and particularly to make further orders as may be necessary under conditions and circumstances developed in the future.

ENTERED this 15th day of November, 1979.

STATE OF UTAH BOARD OF OIL, GAS AND MINING

Charles R. Henderson, Chairman

John L. Bell, Member

Edward T. Beck, Member

\TE* SUBMIT IN TRI

(Other instruction reverse side)

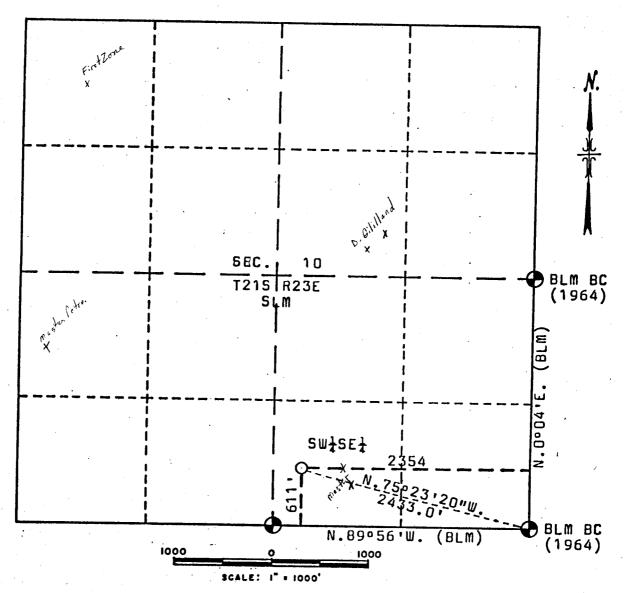
Form approved. Budget Bureau No. 42-R1<25.

UNITED STATES

	DEPARTMENT	ĺ	5. LEASE DESIGNATION	AND BERIAL NO.		
	GEOLOG	SICAL SURVEY			U-30956-A	
APPLICATIO	ON FOR PERMIT T	O DRILL DEEL	PEN. OR PLUG B	ACK	6. IF INDIAN, ALLOTTEE	OR TRIBE NAME
ia. TYPE OF WORK	RILL X	DEEPEN []	PLUG BA		7. UNIT AGREEMENT N	
2. NAME OF OPERATOR	Petroleum & Devel	opment Co.,Inc	AUG 30	1989	# M.C.1	/
814 South 7	7th St., Grand Ju	nction, Colora	ido, 81501 DIVISIO M	INE	10. FIELD AND POOL, O	_
4. LOCATION OF WELL	(Report location clearly and	in accordance with any	State requirements &	MINING	√Greater Ci	sco (205)
At suitace	L, 2354' FEL, Sec				Section 10,T2	1S,R23E
	s and direction from near NW of Cisco, Uta		ICK.	•	12. county or Parish Grand	13. state Utah
15. DISTANCE FROM PRI LOCATION TO NEAR PROPERTY OR LEAS (Also to Degrees of	EST	11'	NO. OF ACRES IN LEASE 40		F ACRES ASSIGNED HIS WELL 10	
18. DISTANCE FROM PI	ROPOSED LOCATION* , DRILLING, COMPLETED,	19.	1100' Self	20. ROTAL	ary or cable tools	
21. ELEVATIONS (Show	whether DF, RT, GR, etc.) 4408 Gr				22. APPROX. DATE WO	RK WILL START
23.	, p	ROPOSED CASING A	ND CEMENTING PROGR.	ΛМ		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEME	YT
8 1 "	7"	20#	160'	2	3 sxs.	
$6\frac{1}{4}$ "	4\frac{1}{2}\frac{11}{2}	10.5#	1100'	4	0 sxs.	
In the (event commercial	production is	encountered pri	or to r	eaching the pr	coposed
c.i.c .	6 11001	-11	d compated to th	a produ	ctive zone	

depth of 1100' casing shall be set and cemented to the productive zone.

Preventer program, if any. 24. SIGNED MANUAL ACCOUNT.	president	8-26-89
(This space for Federal or State office use)	The second secon	
PERMIT NO. 43-019-31293	APPROVAL DATE A COOL	VED BY THE STATE
		TAH DIVISION OF
APPROVED BY		GAS, AND MINING
	DATE:	9-13-89
	BV. oh	- C. Basi
	WELL SE	PACING. Cuse No 102-16B



MC NO.1

Located 611 feet from the South line and 2354 feet from the East line of Section 10, T215, R23E, Sem.

Elev. 4408

Grand County, Utah

AUG 30 1989

CL. GAS & MAINO



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

Utah RLS No. 2573



UDELL S. WILLIAMS

751 Rood Avenue Grand Junction, Colorado 81501

PROPOSED LOCATION

MC NO. 1 SW1SE1 SECTION 10 T21S, R23E, SLM

SURVEYED BY: USW DATE: 8/22/89
DRAWN BY: USW DATE: 8/24/89

BUREAU OF LAND MANAGEMENT MOAB DISTRICT CONDITIONS OF APPROVAL FOR PERMIT TO DRILL

	Company_	Master	Petroleum	n & Develo	pment Co	.,Inc.	Well No. MC #1
	Location	: Sec	10	T. 21	S	R. 23E	Lease No U-30956-A
	Onsite I	nspectio	on Date				
	complian Oil and fully re	ce is ma Gas Orde sponsibl	ade with er No. 1, le for th	applicable and the a	e laws, napproved of his	regulations (43 (plan of operations)	n a manner that full CFR 3100), Onshore ons. The operator is A copy of these to ensure compliance.
,	A. DRIL	LING PRO	OGRAM				
	1.	Surface	e Formati	on and Est	timated F	ormation Tops:	
		Mancus	0- 712				
		Dakota	712 on- 940'				
•			ash 1100				
		- DG110 III			······································		· · · · · · · · · · · · · · · · · · ·
	Property Species						
	2	Estimat Expecte	ted Depth ed to Be	at Which Encountere	0il, Gas ed:	, Water, or Mine	eral-Bearing Zones Are
						<u>Formation</u>	Depth
		Expecte	ed oil zo	nes:	Morris Salt W	on(Brushy Basin ash	940'
· · · · · · · · · · · · · · · · · · ·		Expecte	ed gas zo	nes:	Dakota		712'
		Expecte	ed water	zones:	-		
		Expecte	ed minera	1 zones:			
		BLM at cased a	onsite)	encountered. All	ed during	drilling will t	als (as described by be recorded by depth, be tested to determine
1)[5(C)]	3,	Pressur	re Contro	1 Equipme	nt: Re	gan " Torus " 30	00 psi Blowout prevente lind rams will be in
M AUG 3	0 1989	will be place t	flanged ogether	to the su with adequ	rface ca ate accu	sing. Pipe and b mulator. Dual ch	lind rams will be in oke lines shall be
D(V.53)		availal	ole if ne	eded			
OIL, GAS	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						

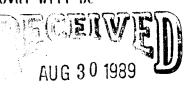
BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventors will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventors will be pressure-tested before drilling casing cement plugs. The Resource Area will be notified _____2 days in advance when pressure tests are to be conducted.

Casi eme	ng Program and Auxiliary Equipment: $7''$ surface casing will be need to surface. $4\frac{1}{2}''$ production casing will be cemented from the
	ducing formation to at minimum of 50 feet above the productive :
proc	duction casing has been tested and inspected.
expe	cipated cements tops will be reported as to depth, not the ected number of sacks. The Resource Area (will/wdxxxxxxxt) be fied days in advance when running casing strings and ent.
Bri	Program and Circulating Medium: Well shall be air drilled to me (10#) shall be used to kill the well in the event of product
Mud	tank and Gaso mud pump shall be on location for this purpose.
	ng, Logging, and Testing Program: No logs are anticipated. Pro
duc sha	tive formations will be tested as they are encountered. Samples ll be taken in ten foot intervals beginning at 600'
Whet Comp subm afte perf core samp comp will	ther the well is completed as a dry hole or as a producer, "Well pletion and Recompletion Report and Log" (Form 3160-4) will be nitted to the District Office not later than thirty (30) days or completion of the well or after completion of operations being formed, in accordance with 43 CFR 3164. Two copies of all logs, and descriptions, core analyses, well test data, geologic summaries of the description, and all other surveys or data opbtained and to be filed with Form 3160-4. Samples (cutting, fluids, and/or
Whet Comp subm afte perf core samp comp will gase	ther the well is completed as a dry hole or as a producer, "Well betaken in ten foot intervals beginning at 600' there the well is completed as a dry hole or as a producer, "Well betaken and Recompletion Report and Log" (Form 3160-4) will be nitted to the District Office not later than thirty (30) days er completion of the well or after completion of operations beinformed, in accordance with 43 CFR 3164. Two copies of all logs, e descriptions, core analyses, well test data, geologic summaries of the description, and all other surveys or data opbtained and willed during the drilling, workover, and/or completion operation

Maximum anticipated well pressure is less than 500 psi. BOP is of sufficient size to allow for complete control of this pressure.

(3000 psi rating).

- 8. Anticipated Starting Dates and Notification of Operations:
 - The operator will contact the GRAND Resource Area at 1-801-259-8193 , forty-eight (48) hours prior to beginning any dirt work on this location.
 - No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obstained and notification given before resumption of operations.
 - The spud date (will/wildxnot) be reported orally to the Area Manager within a minimum of twenty-four (24) hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within twenty-four (24) hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.
 - In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6, Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed directly with the BLM District Office, P.O. Box 970, Moab, Utah 84532.
 - c Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of NTL-3A.
 - If the replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed for prior approval of the District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergency situations, verbal approval to bring on a replacement rig will be approved by the District Petroleum Engineer.
 - G Should the well be successfully completed for production, the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) business days following the date on which the well is placed on production.
 - A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.
 - No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be



obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Manager within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

- Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.
- Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The marker will be constructed as follows: 4½" casing will be secured to the well, approx. 5' above Gr., bearing the appropriate description.

 The top of the marker will be closed or capped.
- L The following minimum information will be permanently placed on the marker plate, cap or beaded-on with a welding torch:

4	"Fed" or	"Ind", a	s applicable,	"Well	Number,	location	by	1/4	1/4
' }	section,	township	and range".	"Lease	Number".	•			

į.j	Other:	
		_

B. THIRTEEN-POINT SURFACE USE PLAN

1. Existing Roads:

- a. Location of proposed well in relation to town or other reference point: Approximately 4 miles Northwest of Cisco, Utah.
- b. Proposed route to location: Exit Hwy. 6 & 50 at a point East of Cisco onto a county road to operators Right of Way # U-54/03 to location.
- Plans for improvement and/or maintenance of existing roads:
 Operator presently maintains the existing roads as required. No
 new improvements are needed to access the location other than a
 short (400± ft.) location access point.
- d. Other: All new ground disturbance shall be minimal. In the event the well is productive any new improvements shall be upgraded as required.



b. Maximum grades:		The maximum total disturbed width will be 12 feet					
c. Turnouts:none d. Location (centerline):	a.	The maximum total disturbed width will be 12 feet.					
d. Location (centerline): e. Drainage: f. Surface Materials: minimal surface disturbance, there will not be a need to stockpile any surface material g. Other: Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed will be approved by the Area Manager in advance. The access road will be rehabilitated or brought to Resource (Class III) Road Standards within sixty (60) days of dismantling of the drilling rig. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installe along the access road. Location of Existing Wells: Federal #1 - SWSE sec.10., MPD 10-2C-sec.10. Location of Tank Batteries and Production Facilities: All permanent (onsite for six (6) months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earth tone color to match the standa environmental colors, as determined by the Rocky Mountain Five Stat Interagency Committee. All facilities will be painted within six (months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors will be as follows: Slate grey or as required	D.	Maximum grades: none					
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Location of Tank Batteries and Production Facilities: All permanent (onsite for six (6) months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earth tone color to match the standa environmental colors, as determined by the Rocky Mountain Five Stat Interagency Committee. All facilities will be painted within six (months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors will be as follows: Slate grey or as required	drilling rig. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed						
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constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earth tone color to match the standa environmental colors, as determined by the Rocky Mountain Five Stat Interagency Committee. All facilities will be painted within six (months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors will be as follows: Slate grey or as required	Location of Tank Batteries and Production Facilities:						
	All permanent (onsite for six (6) months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earth tone color to match the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six (6) months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors						
3		pational Safety and Health Act (OSHA) may be excluded. Colors					

AUG 30

- If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.
- All loading lines and valves will be placed inside the berm surrounding the tank battery.
- All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.
- c All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.
- f All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.
- Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the wellhead to the meter along with any other sections occuring on the pad. Meter runs will be housed and/or fenced.
- The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three (3) months on new meter installations and at least quarterly thereafter. The Area Manager will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration reports will be submitted to the Resource Area Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement

5.	:	Location and Type of Water Supply:	
			7

466 H	orary water use permit for this operation will be obtained can State Engineer obtained administered by another obtained on private land, or land administered by another, will require approval from the owner or agency for use of	
	e of Construction Material:	
	onstruction material will be obtained from: N/A	

Car, and a winder

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3. Source of construction material (will/will not) be located on lease.

7.

8.

9.

	Methods of Handling Water Disposal:
G	The reserve pit (will/will/mot) be lined All cuttings and drilling fluids shall be discharged in to a reserve pit and buried upon well completion. Trash and other waste shall be contained in a trash cage and removed from location.
	Three sides of the reserve pit will be fenced with 4' stock fencing before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.
	All trash must be contained and disposed of by: Master Petroleum & Development CoInc.
	If burning is required, a permit will be obtained from the State Fire Warden
	Produced waste water will be confined to a (kkinged/unlined) pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).
	Other:
	Ancillary Facilities:
	Camp facilities (XXXXXV) will not) be required. They will be located:
•	
	Well Site Layout:
	The reserve pit will be located: 120 feet East Southeast of the drill hole
	The top inches of soil material will be removed from the location and stockpiled separately on

AUG 30 1989

	Access to the well pad will be from: Existing Federal #1 wellsite East of the proposed location from operators R/W #U-54703
	The trash pit will be located: Trash bin will be located next to the dog house and removed when operations cease.
•	Plans for Restoration of Surface:
	Immediately upon completion of drilling, the location, and surrounding areas will be cleared of all remaining debris, materials trash, and junk not required for production.
	Before any dirt work to restore the location and surrounding area will be cleared of all remaining debris, materials, trash and junk not required for production.
	The operator or his contractor (will/will not) notify the Resource Area at (48) hours before starting reclamation work that involves earthmovir equipment and upon completion of restoration measures.
	All disturbed areas will be recontoured to the approximate natural contours.
٤	The stockpiled topsoil will be evenly distributed over the disturbed areas.
Ę.	Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.
•	Seed will be broadcast or drilled at a time specified by the BLM. broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.



	
The nee	reserve pit and that portion of the location and access road no ded for production or production facilities will be reclaimed.
Add	itional Requirements:
····	
_	
	face and Mineral Ownership: ster Petroleum & Development is the Lessee of record of this
	deral Lease.
	
<u>Oth</u>	er Information:
The	re will be no deviation from the proposed drilling and/or workov
pro	gram without prior approval from the District Manager. Safe
pro dri	re will be no deviation from the proposed drilling and/or workover gram without prior approval from the District Manager. Safe lling and operating practices must be observed. All wells, ther drilling, producing, suspended, or abandoned, will be

- with 43 CFR 3164.
 - c The dirt contractor will be provided with an approved copy of the surface use plan.
 - A cultural resource clearance (will/will not) be required before and construction begins. If any cultural resources area found during construction, all work will stop and the Area Manager will be notified. AUG 30 1989

This permit will be valid for a period of one (1) year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

13. Leessee's Operator's Representative and Certification

Representative:

Name:

Tom Kucel

Address:

814 South 7th St.

Grand Junction, Colorado, 81501

Phone No.:

303-241-4213,

home

303-434-5220

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by: Master Petroleum & Development Co., Inc.

and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

8-26-89

W) 21

Name and Title



LONG A MINING

B. SURFACE USE PROGRAM

The operator will contact the Grand Resource Area at (801) 259-8193, forty-eight (48) hours prior to beginning any dirt work on this location.

Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed will be approved by the Area Manager in advance.

The access road will be rehabilitated or brought to Resource (Class III) Road Standards within sixty (60) days of dismantling of the drilling rig. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.

Immediately upon completion of drilling, the location, and surrounding areas will be cleared of all remaining debris, materials, trash, and junk not required for production.

Produced waste water will be confined to a (lined/unlined) pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.

All loading lines and valves will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the wellhead to the meter along with any other sections occurring on the pad. Meter runs will be housed and/or fenced.



The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three (3) months on new meter installations and at least quarterly thereafter. The Area Manager will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration reports will be submitted to the Resource Area Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

All permanent (onsite for six (6) months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earth tone color to match the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six (6) months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors will be as follows:

The operator or his contractor will notify the Grand Resource Area at (801) 259-8193 forty-eight (48) hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

The following seed mixture will be used:

Species		<u>lbs/acre</u>
Grasses		
Agropyron spicatum Hilaria jamesii Oryzopsis hymenoides	Bluebunch wheatgrass Galleta (Curlygrass) Indian ricegrass	1 1 1
Forbs		
Melilotus officinalis Medicago sativa	Yellow sweetclover Alfalfa (Spreador II, Nomad, Ladak)	1/2 1/2
Shrubs		
Eurotia lanata	Winterfat (Whitesage)	
		6 lbs/acre

Broadcast seed will be applied at double the above rate.

Final location release will be issued when the seeding is shown to be successful (when perennial vegetation is established).

AUG 30 1989

DIVISION OF

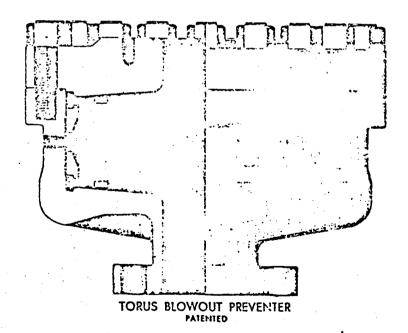
GIL, GAS & MINING

DEGAM RECIMOUT PREVENTERS

The Regan Torus Blowout Preventer is used or marily on production and workover rigs for well central up to 2000 PSI working pressure

DESIGN FEATURES

- a. The Torus Preventer is designed for minimum height to facilitate its use with production and workover rigs.
- b. " I rubber packer will conform to any obin the well bore. Sealing ability is not affected by minor damage to the inner bore.
- c. The packer will seal an open hole at full working pressure.
- d. The dual packer design increases the reliability of the preventer since the outer rubber is never exposed to the will bore. Under ordinary service, the outer packer is rarely replaced.



SPECIFICATIONS

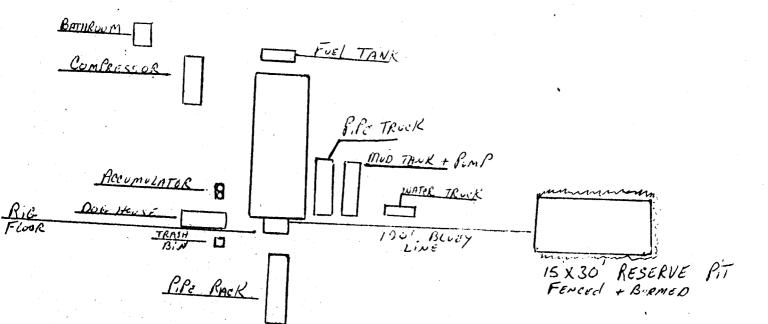
-	Neminel. Size	Test Pressure (psl)	Din: Cutside Diameter	Thru Uern	Overall Height	Weight ('b.)	End Flanges (1)	R/AX Ring Grooves	Side Outlet	(1) Boltom Range holes etongated for use with either 2009 or 2000 psi API-53 Range, (Also can be used with obsulete Ser, 400 API
	6	3107	2/		2715	1760	Nom, 6	45 45	flene 2" L.P.	Bases.) Tup flangs normally studied for 30% pol API-64 flanco unters offersion comic

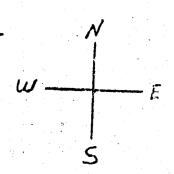
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AUGIL GAS & MINING

RIG LAY OUT

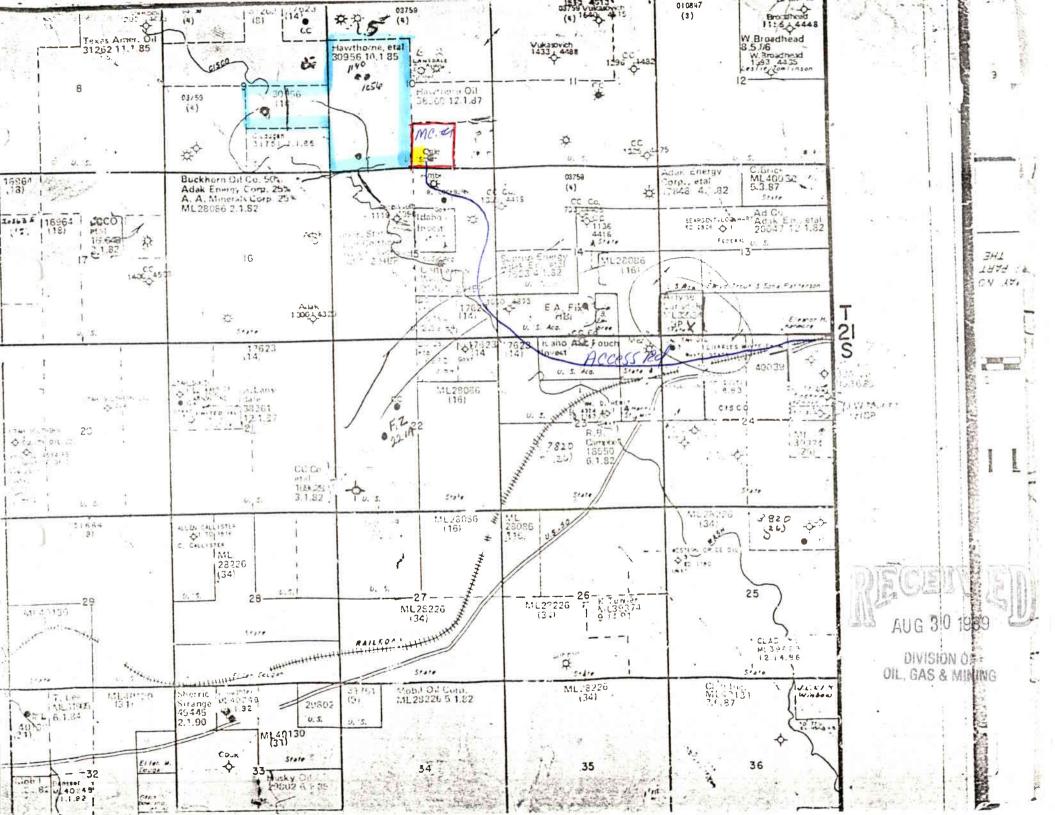
ACCESS ROAD







DIMISION OF OIL, CAS & ARIMING





United St. s Department of the Intor

3104 (U-942)

BUREAU OF LAND MANAGEMENT UTAH STATE OFFICE 324 SOUTH STATE, SUITE 301 SALT LAKE CITY, UTAH 84111-2303

DEC 18 1984

DECISION

Master Petroleum and Development

\$25,000 Statewide

Company, Inc.

814 S. 7th Street

011 and Gas 3 ond

Grand Junction, Colorado 81501

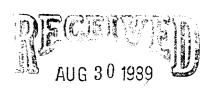
Bond Accepted

A \$25,000 statewide oil and gas bond, No. 43-45-57, was filed in this office December 7, 1984. The bond was executed October 29, 1984, with Master Petroleum and Development Company, Inc. as principal and New Hampshire Insurance Company as surety.

This bond constitutes coverage in the State of Utah for obligations under oil and gas leases held or hereafter acquired by the principal, including lease offers, assignments, operating agreements, etc., issued under the authority of the Minerals Leasing Act of 1920, as amended, and the Mineral Leasing Act for Acquired Lands, as amended. The bond is satisfactory and is hereby accepted effective December 7, the date of filing.

Coverage under your statewide bond will not, however, extend to include additional principals, and the coverage does not extend to any lands where the principals are or become the unit operator but do not own the record title or operating rights in such lands either solely or jointly with others whose interests are likewise covered by appropriate bonds.

Chief, Minerals Adjudication Section

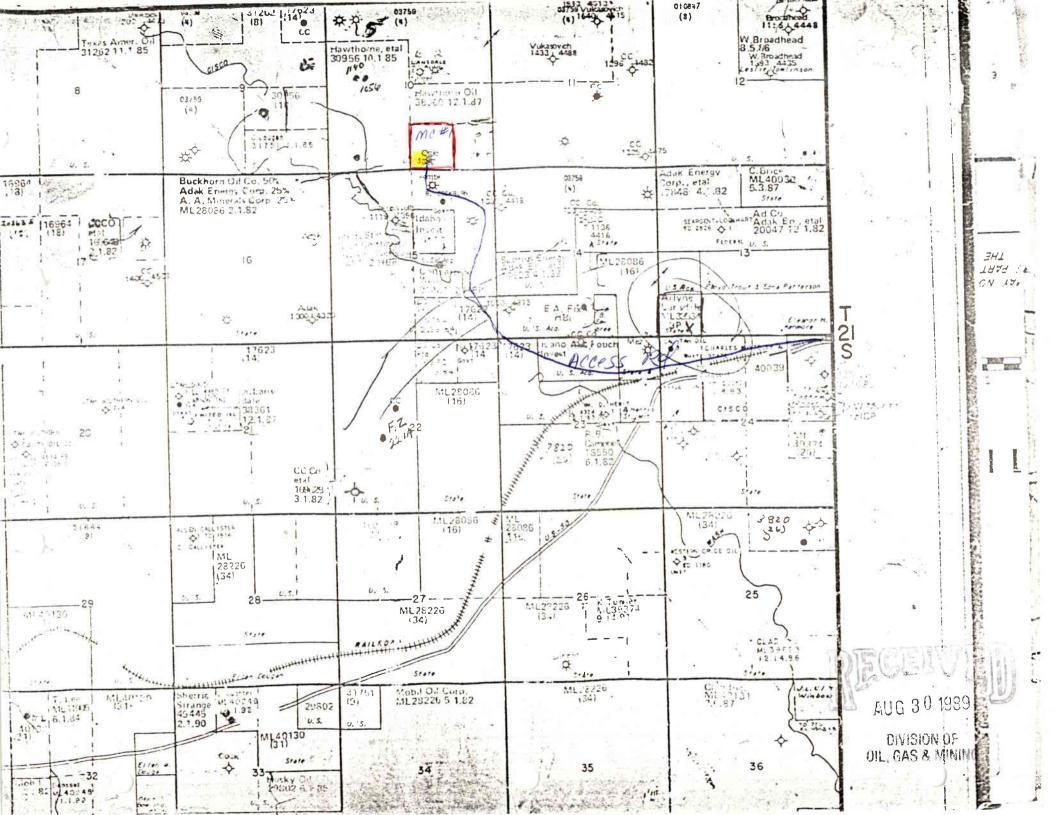


OPERATORS CERTIFICATION

I, Thomas A. Kucel, as president and registered agent of Master Petroleum & Development Co.,Inc. hereby certify that Master Petroleum & Development Co.,Inc. is the Lessee of record and the Operator of the lease and wells described in this information package. Master Petroleum & Development is insured and bonded in the state of Utah to conduct all operations associated with Oil & Gas lease develop—ment.

Thomas A. Kucel, pres.
Master Petroleum & Development
Co., Inc.

AUG 30 1989





United States Department of the Interior

BUREAU OF LAND MANAGEMENT

3162 (U-065) (U-30956-A)

Moab District P. O. Box 970 Moab, Utah 84532

Master Petroleum & Development Company, Inc. 814 South 7th Street Grand Junction, Colorado 81504

Re: Application for Permit to Drill

Well No. MC #1

Sec. 10, T. 21 S., R. 23 E.

Grand County, Utah Lease U-30956-A

Gentlemen:

The above referenced application was received August 29, 1989. Your Application for Permit to Drill (APD) has been determined to be technically and administratively adequate.

A copy of your approved APD is enclosed. If you have any questions, please contact the Branch of Fluid Minerals at (801) 259-6111.

Sincerely yours,

District Manager

Enclosures:

Application for Permit to Drill

cc: GRA (w/encl.)

MASTER PETROLEUM & DEVELOPMENT CO.

Complete Oil and Gas Land Management Production Development

> 814 South 7th Street Grand Junction, Colorado 81501 (303) 241-4213

AUG 3 U 1939

División of Oil, cas é imining

August 26, 1989

Utah Division of Oil, Gas & Mining 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203

Re:Spacing Variance Request Enclosed Application to Drill MC #1 & MPD 15-3

Dear Arlyne,

Enclosed are two "Applications to Drill" for the referenced wells. During our staking and surveying process we have discovered a need to request a variance for both wells. Our firm holds the adjoining lease in which the proposed wellsites would intrude upon. We are willing to allow these variances.

The first well, MC #1, is to be located on lease # U-30956A. During our survey we discovered that the Federal #1 oil well is not where it was originally stated to be on the well completion report. This well was originally permitted 492' FSL,1922' FEL, section 10, T21S, R23E. Our survey shows it to be 611' FSL and 1954' FEL. This lease was originally part of our existing lease, U-30956 which adjoins U-30956A on the West. The location of the proposed well is 611' FSL, 2354' FEL. This will allow 400 feet between the proposed well and the existing Federal #1 and will allow 286' from the West lease boundary. The requested variance does not interfere with the existing wells spacing and allows more than 200 feet from the quarter quarter. Also due to a drainage wash west of the proposed location it is unlikely that we would want to drill close to the boundary separating the leases.

The second well, MPD 15-3, located on lease # U-0148172 is only 404' FNL. This lease also adjoins lease # U-30956. A large drainage wash exists to the South of the proposed location which necessitates the variance.

Thank you for your assistance in this matter. If I may be of further assistance please do not hesitate to contact me at our offices 1-303-241-4213.

Sincerely,

Tom Kucel

SEC. 10 BLM BC T215 R23E (1964)SLM SW\se\ BLM BC N.89º56'W. (BLM) (1964)AUG 30 1989 SCALE: 1" . 1000

DIVISION OF OIL, GAS & MINING

MC NO.1

Located 611 feet from the South line and 2354 feet from the East line of Section 10, T215, R23E, SLM.

Elev. 4408

Grand County, Utah



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF

Utah RLS No. 2573



UDELL S. WILLIAMS

751 Rood Avenue Grand Junction, Colorado 81501

PROPOSED LOCATION

MC NO. 1

Sw1se1 SECTION 10 T215, R23E, SLM

DRAWN BY: USW DATE: 8/22/89
DRAWN BY: USW DATE: 8/24/89

BEFORE THE BOARD OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES IN AND FOR THE STATE OF UTAH

IN THE MATTER OF ADOPTING AMEND-MENTS TO FIELD RULE 1-2 AND 2-2, CAUSE NO. 2, NO. 102-5, AND NO. 102-16, WHICH RULES ESTABLISHED WILDCAT WELL SPACING FOR THE "SEIBER-CISCO NOSE AREA, GRAND COUNTY, UTAH

FINDINGS AND ORDER

CAUSE NO. 102-16B

This cause came on for hearing before the Board of Oil, Gas and Mining at 10:00 a.m. on Wednesday, September 26, 1979, in the executive Conference Room, Holiday Inn, 1659 West North Temple, Salt Lake City, Utah.

The following Board Members were present:

Charles R. Henderson, Chairman

John L. Bell, Member

Edward T. Beck, Member

Thadis W. Box, Member

Constance K. Lundberg, Member

- C. Ray Juvelin, Member
- E. Steele McIntyre, Member

Appearances were made as follows:

James Bowers

Damon Gilland

Dean Christensen

Don Quigley

NOW, THEREFORE, the Board having heard the testimony of the witnesses and having considered the evidence and being advised in the premises, now makes and orders the following:

FINDINGS

- 1. That due and regular notice of the time, place and purpose of the hearing was given to all interested parties in the form and manner and within the time required by law.
- 2. That the Board has jurisdiction over the matter covered by said application and over all parties interested therein and has jurisdiction to make and promulgate the order hereinafter set forth.
- 3. That the Dakota, Morrison and Cedar Mountain Formations underly the area under consideration.
- 4. That the sands of the Dakota, Morrison and Cedar Mountain Formations are lenticular in nature.

102-16B

- 5. That most, if not all, of the operators in the area are of the opinion that it is not economically feasible to drill wells on the 40 acre or 640 acre wildcat spacing pattern as provided for in Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.
- 6. That there is unanimity among the operators with respect to the suggested amendments to $\frac{1}{2}$ Field Rule 2-2.

IT IS THEREFORE ORDERED:

ORDER

1. That the Board's order in Cause No. 2, Cause No. 102-5, and Cause No. 102-16 is hereby revised as follows:

Field Rule 1-2 reads:

The spacing of all wells drilled for oil or gas which are within the following described area--to wit:

Township 18South, Range 25 East' Sec: '25 through 36

Township 18 South, Range 26 East Sec: 29 through 32

Township 19 South, Range 23 East Sec: 19 through 36

Township 19 South, Range 24 East Sec: All

Fownship 19 South, Range 25 East Sec: All

Township 19 South, Range 26 East Sec: 5 through 8

Township 20 South, Range 21 East Sec: All

Township 20 South, Range 22 East Sec: All

Township 20 South, Range 23 East Sec: All

Township 20 South, Range 24 East Sec: All

Township 20 South, Range 25 East Sec: All

Township 21 South, Range 22 East Sec: 1 through 12

Township 21 South, Range 23 East Sec: All

Township 21 South, Range 24 East Sec: All

and are not within a pool for which drilling units have been established shall be governed by Field Rule 2-2.

Field Rule 2-2 is amended to read:

"All wells drilled for the discovery of oil and/or gas which are not within a pool, reservoir, or field for which drilling units have been established or for which a petition for establishment of a drilling unit has been fided, shall be located not less than 500 feet from any property or lease line and not less than 200 feet from the boundary of any legal subdivision comprising a governmental quarter-quarter section or equivalent lot or lots of comparable size and location, and not less that 400 feet from any oil well, or less than 1320 feet from any gas well, unless otherwise specifically authorized by the Board after notice of hearing.

Whenever an exception is granted by the Board, the Board may, at any time thereafter, take such action as will offset any advantage which the person securing the exception may obtain over the other producers in the area covered by Field Rule 1-2."

All previously drilled wells and all wells drilled in the future which:

- a. are less than 660 feet from the lease or property line and are classified as gas wells or
- b. are less than 200 feet from the lease or property line and are classified as oil wells $% \left\{ 1,2,\ldots,n\right\}$

may be offset, the same distance from the property line or a drilling unit may be established for said well if the Board of Oil, Gas and Mining, finds, after notice and a hearing that correlative rights are being violated.

All notices of Intention of Drill must be accompanied by a plat on which is outlined the acreage covered by the lease on which the well is to be drilled.

Rule 1-2 and Rule 2-2 are only applicable to wells drilled or to be drilled to a depth of 3500 feet or less.

2. That the board retains continuing jurisdiction over all matters covered by this order and particularly to make further orders as may be necessary under conditions and circumstances developed in the future.

ENTERED this 15th day of November, 1979.

STATE OF UTAH BOARD OF OIL, GAS AND MINING

Plante Polar derson

1 500' from lesse line

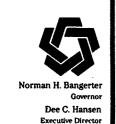
@ 200' from ghr/ghr lines

3 400' from an Oil Well

and 1320' from a gas well John L. Bell, Member

Edward T. Beck, Member

OPERATOR Master Petroleum & Dev. Co. (N9675) DATE 9-1-89
WELL NAME
SEC SWSE 10 T 21S R 23E COUNTY Grand
43-019-31293 Federal API NUMBER TYPE OF LEASE
CHECK OFF: (Statewide) NEAREST WELL
LEASE FIELD POTASH OR OIL SHALE
PROCESSING COMMENTS: Nearest well ok under Cause No. 102-110B Need Water Permit Exception to "500' from any property or lease line "requested," mester letroleum holds the adjoining lease.
BYM ithing application dated 9-13.89 - Re-APO 3-11.91 kupin original APT and file admin discussion. APPROVAL LETTER:
SPACING: R615-2-3 N/A UNIT R615-3-2
102-16B 11-15-79 R615-3-3 CAUSE NO. & DATE
STIPULATIONS:
1 Water Permit
· · · · · · · · · · · · · · · · · · ·



Dianne R. Nielson, Ph.D.

Division Director

State of Utah DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203 801-538-5340

September 13, 1989

Master Petroleum & Development Co., Inc. 814 South 7th Street Grand Junction, Colorado 81501

Gentlemen:

Re: M C #1 - SW SE Sec. 10, T. 21S, R. 23E - Grand County, Utah 611' FSL, 2354' FEL

Approval to drill the referenced well is hereby granted in accordance with the Order of Cause No. 102-16B dated November 15, 1979, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

In addition, the following actions are necessary to fully comply with this approval:

- 1. Spudding notification within 24 hours after drilling operations commence.
- 2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
- 3. Submittal of the Report of Water Encountered During Drilling, Form 7.
- 4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (80I) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
- 5. Compliance with the requirements of Rule R6l5-3-20, Gas Flaring or Venting, Oil and Gas Conservation General Rules.

Page 2
Master Petroleum & Development Co., Inc.
M C #1
September 13, 1989

- 6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (80I) 538-6121.
- 7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-019-31293.

Sincerely,

Associate Director, Oil & Gas

lcr

Enclosures

cc: Bureau of Land Management

D. R. Nielson

J. L. Thompson

WE14/1-2

FILING FOR WATER IN THE STATE OF UTAH

· · · · · · · · · · · · · · · · · · ·		
Fee Rec		:
Receipt #	,	
Neccipi #		
licealilmed		

APPLICATION TO APPROPRIATE WATER

Poli #

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Title 73, Chapter 3 of the Utah Code Annotated (1953, as amended).

	* APPLICATION NO. A. T. 1.4217	
. 'PRIORITY OF RIGHT:	* FILING DATE:	
. OWNER INFORMATION		
Name(s): Master Petrology & Days	Jonmont Co. The # Interest	
Address: 814 South 7th St	Alopment Co., Inc., * Interest:	%
City: _Gr. Ind Junction	State: ColoradoZip Code: _81501	
Is the land owned by the applicant? Yes_	No v	
II "No" nlesso	explain in EXPLANATORY section.)	
(1. 110) produce	opposit in Extensivation (Section.)	
QUANTITY OF WATER:	.1cfs and/or0 - 20	_ac
SOURCE Colorado River & Nash Wa	C) & DDATALAZIO	
which is tributary to	DRAINAGL:	
which is tributary to		
POINT(S) OF DIVERSON:	COMPRESSOR	·
Nash Wash - approx. 2475' South	COUNTY: _Grand_ h_and_870' East_of_the_NW_corner_of_Section_	77
T20S, R22E SLM & B, Colorado	River - approx. 2300° FWL, 990 FSL section	<u>) </u>
T21S, R24E, SLM & B.		۷٠,
	needed	
* COMMON DESCRIPTION:	HUUUU	
POINT(S) OF REDIVERSION		
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	NATURE AND PERIOD OF SE				
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٠.	Irrigation:	From	to		
. :	Stockwatering:	From	to		
	Domestic:	From		1 1 4 1 2 3	4114
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i. •	Other: Drilling	rrom <u>9-13-09</u>	102=12=20	· .	
10.	PURPOSE AND EXTENT OF USE				
1.11	Irrigation: Stockwatering (number and kind):	acres. Sole supply	of		acres
•	Stockwatering (number and kind):		·····		
	Domestic: Municipal (name):	Families and/or_			Persons
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. '	Ores mined:	,			•
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	Other (describe): drilling and comp	Lation of $4-5$ oil	or one wells		
·	Office (describe): http://describe	CCITITION TO THE PROPERTY OF T			
• •	PLACE OF USE				
11.	Y I de intien ef mle ce ef use but 40 een	structor NE! Sect	ion 7, T21S, 1	R22E, SLM	& B
•	Legal description of place of use by 40 acr (Nash Wash) and SE ₄ SEction	10, NE Section 1	5, NW Section	n 2, T21S	, R23E,
;	SLM & B (Colorado River)				<u> </u>
	Helte 7-1 mpD 15-3				
•	mc #2	•		•	
	mc #1				
12	EXPLANATORY				
14.	The following is set forth to define more	e clearly the full nur	nose of this applic	ation. (Use	additiona
	pages of same size if necessary): Applic	cant proposes to	conduct drill	ing activ	ities on
	the describedacreage. Water sha	II be used for co	ementing and m	isting.	
	Acreage is leased from the State	e of Utah and Fed	leral governme	nt by app	licana.
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	The applicant(s) hereby acknowledges the	iat ne/sne/tney are a d	citizen(s) of the Of	iileu States (of America
•	or intends to become such a citizen(s). Th	e quantity of water so	ugnt to be approp	riatea is iimi	itea to tha
•	which can be beneficially used for	tne purposes herein	aescribed. The	unaersigne	eu nereby
	acknowledges that even though he/she/	they may have been a	assisted in the pro	paration of	the above
	numbered application through the cou	rtesy of the employe	es of the Division	n of Water	Rights, al
• •	responsibility for the accuracy of the infe	ormation contained h	crein, at the time	of filing, res	ts with the
	applicant(s).	1	/		
	apprioanital.	1 Bearing	of Alive	2-1 1-10	1
			ionature of Applic		

tany other water right which will supplement this application

In. TYPE OF WORK

b. TYPE OF WELL

2. NAME OF OPERATOR

At proposed prod. zone

10. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT

SIZE OF HOLE

8<u>+</u>"

6] ''

WELL X

23.

DRILL X

WELL

PLUG BACK

MULTIPLE ZONE

UNITED STATES DEPARTMENT OF THE INTERIOR

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BA

611' FSL, 2354' FEL, Section 10, T21S, R23E; SLM & B

Master Petroleum & Development Co., Inc.

SWŁ SEŁ

4 miles NW of Cisco, Utah

4408 Gr

(Also to nearest drlg, unit line, if any) 18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLE
OR APPLIED FOR, ON THIS LEASE, FT.

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

COMPLETED,

SIZE OF CASING

814 South 7th St., Grand Junction, Colorado, 81501 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

DEEPEN

20#

GEOLOGICAL SURVEY

1	5. LEASE DESIGNATION A	ND SERIAL NO.
)	U-30956-A	
CK	6. IF INDIAN, ALLOTTEE	OR TRIBE NAME
	_ compression completes and control of the control	
\Box	7. UNIT AGREEMENT NA	ME
ſП	S. FARM OR LEASE NAM	ic .
11.	,	
	9. WELL NO.	
—	# M.C.1	
	10. FIELD AND POOL, OF	WILDCAT
	Greater Cis	sco
	11. SEC., T., R., M., OR B AND SURVEY OR ARI	
	Section 10,T2	
	SLM & B	13. STATE
	Grand	Utah
7. NO.		
то т	HIS WELL 10	
0. ROTA	RY OR CABLE TOOLS	
Rot	ary	
	22. APPROX. DATE WO	K WILL START*
	10-5-89	
	1.,	
	QUANTITY OF CEMEN	T

23 sxs.

In the event commercial production is encountered prior to reaching the proposed depth of 1100' casing shall be set and cemented to the productive zone.

16, NO. OF ACRES IN LEASE

SETTING DEPTH

_160'

40

19. PROPOSED DEPTH

1100'

PROPOSED CASING AND CEMENTING PROGRAM



DIVISION OF OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug-back, give data on present productive zone and proposed new productive If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any. president (This space for Federal or State office use) PERMIT NO. . APPROVAL DATE DISTRICT MANAGER DATE SEP 1 5 1989 ACTING **/s/ Kenneth V. Rhea** APPROVED BY . CONDITIONS OF APPROVAL, IF ANY :

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A Dated 1/1/80

CONDITIONS OF APPROVAL ATTACHED

SEP 18 1989 OIL, unu SEC. BLM BC T215 R23E (1964)SLM SW\SE\ BLM BC N.89°56'W. (BLM) (1964)SCALE: 1" . 1000'

MC NO.1

Located 611 feet from the South line and 2354 feet from the East line of Section 10, T215, R23E, SLM.

Elev. 4408

Grand County, Utah



SURVEYOR'S CERTIFICATE

FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF





UDELL S. WILLIAMS

751 Rood Avenue Grand Junction, Colorado 81501

PLAT OF PROPOSED LOCATION MC NO. 1

SWISE SECTION 10 T215, R23E, SLM

SURVEYED BY: USW DATE: 8/22/89 DATE: 8/24/89 DRAWN BY: USW

Master Petroleum & Development Co., Inc. Well No. MC #1
Sec. 10, T. 21 S., R. 23 E.
Grand County , Utah
Lease U-30956-A

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Master Petroleum & Development Co., Inc., is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by UT0140 (Principal - Master Petroleum & Development Co., Inc.) as provided for in 43 CFR 3104.3.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

A. DRILLING PROGRAM

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, Onshore Oil and Gas Order No. 2, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to the field representative to insure compliance.

B. Additional Requirements According To Onshore Oil and Gas Order No. 2

- 2000 psi BOP & BOPE:

Annular preventer, or double rams, or two rams with one being blind and one being a pipe ram

Kill line (2 inch minimum)

1 kill line valve (2 inch minimum)

1 choke line valve

2 chokes

Upper kelly cock valve with handle available

Safety valve and subs to fit all drill strings in use

Pressure gauge on choke manifold

2 inch minimum choke line

Fill-up line above the uppermost preventer

- If repair or replacement of the BOPE is required after testing, this work shall be performed prior to drilling out the casing shoe.
- When the BOPE cannot function to secure the hole, the hole shall be secured using cement, retrievable packer or bridge plug packer, bridge plug or other acceptable approved methods to assure safe well conditions.

- Choke Manifold Equipment:

All choke lines shall be straight lines unless turns use tee blocks or are targeted with running tees, and shall be anchored to prevent whip and reduce vibration.

All valves (except chokes) in the kill line, choke manifold and choke line shall be a type that does not restrict the flow (full opening) and that allows a straight through flow.

Pressure gauges in the well control system shall be a type designed for drilling fluid service.

- 2000 psi system - Accumulator Equipment:

Accumulator shall have sufficient capacity to close all BOP's and retain 200 psi above precharge. Nitrogen bottles that meet manufacturer's specifications may be used as the backup to the required independent power source.

Accumulator precharge pressure test: This test shall be conducted prior to connecting the closing unit to the BOP stack and at least once every 6 months.

Power for the closing unit pumps shall be available to the unit at all times so that the pumps shall automatically start when the closing unit manifold pressure has decreased to a pre-set level.

Each BOP closing unit shall be equipped with sufficient number and sizes of pumps so that, with the accumulator system isolated from service, the pumps shall be capable of opening the hydraulically-operated gate valve (if so equipped), plus closing the annular preventer on the smallest size drill pipe to be used within 2 minutes, and obtain a minimum of 200 psi. above specified accumulator precharge pressure.

A manual locking device (i.e., hand wheels) or automatic locking devices shall be installed on all systems of 2M or greater. A valve shall be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve shall be maintained in the open position and shall be closed only when the power source for the accumulator system is inoperative.

- BOP Testing:

Pressure tests on ram type preventers shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed off of pressure is acceptable. For a test not utilizing a test plug, if a decline in pressure of more than 10 percent in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test of BOP stack.

Annular BOP pressure tests shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above tests shall be performed:

- **When initially installed;
- **Whenever any seal subject to test pressure is broken;
- **Following related repairs; and
- **At 30 day intervals.

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s), the check valve shall be held open or the ball removed.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.

A BOPE pit level drill shall be conducted weekly for each drilling crew.

Pressure tests shall apply to all related well control equipment.

All of the above described tests and/or drills shall be recorded in the drilling log.

Casing and Cementing:

All waiting on cement times shall be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

All casing, except the conductor casing, shall be new or reconditioned and tested used casing that meets or exceeds API standards for new casing.

The surface casing shall be cemented back to surface either during the primary cement job or by remedial cementing.

All of the above described tests shall be recorded in the drilling log.

All indications of usable water shall be reported to the authorized officer prior to running the next string of casing of before plugging orders are requested, whichever occurs first.

Surface casing shall have centralizers on at least the bottom three joints depending on the severity of hole inclination.

Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable preflush fluid, inner string cement method.,etc. shall be utilized to help isolate the cement from contamination by the mud fluid being displaced ahead of the cement slurry.

All casing strings below the conductor shall be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi, whichever is greater, but not to exceed 70 percent of the minimum internal yield. If pressure declines more than 10 percent in 30 minutes, corrective action shall be taken.

- Mud Program Requirements:

The characteristics, use and testing of drilling mud and the implementation of related drilling procedures shall be designed to prevent the loss of well control. Sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring well control.

- -Record slow pump speed on daily drilling report after mudding up.
- -Visual mud monitoring equipment shall be in place to detect volume changes indicating loss or gain of circulating fluid volume.
- -A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH.
- -All flare systems shall be designed to gather and burn all gas. The flare line(s) discharge shall be located not less than 100 feet from the well head, having straight lines unless turns are targeted with running tees, and shall be positioned downwind of the prevailing wind direction and shall be anchored. The flare system shall have an effective method for ignition. Where non-combustible gas is likely or expected to be vented, the system shall be provided supplemental fuel for ignition and to maintain a continuous flare.

- Drill Stem Testing Requirements:

Initial opening of drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the authorized officer. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping shall not begin before daylight, unless prior approval is obtained from the authorized officer. Closed chamber DSTs may be accomplished day or night.

- -A DST that flows to the surface with evidence of hydrocarbons shall be either reversed out of the testing string under controlled surface conditions, or displaced into the formation prior to pulling the test tool. This would involve providing some means for reverse circulation.
- -Separation equipment required for the anticipated recovery shall be properly installed before a test starts.
- -All engines within 100 feet of the wellbore that are required to "run" during the test shall have spark arresters or water cooled exhausts.

- Special Drilling Operations:

In addition to the equipment already specified elsewhere in Onshore Order No. 2, the following equipment shall be in place and operational during air/gas drilling:

- -Properly lubricated and maintained rotating head;
- -Spark arresters on engines or water cooled exhaust;
- -Blooie line discharge 100 feet from well bore and securely anchored;
- -Straight run on blooie line unless otherwise approved;
- -Deduster equipment;
- -All cuttings and circulating medium shall be directed into a reserve or blooie pit;
- -Float valve above bit;
- -Automatic igniter or continuous pilot light on the blooie line;
- -Compressors located in the opposite direction from the blooie line a minimum of 100 feet from the well bore;
- -Mud circulating equipment, water, and mud materials (does not have to be premixed) sufficient to maintain the capacity of the hole and circulating tanks or pits.

STIPULATIONS TO BE ADDED TO THE THE SURFACE USE PLAN

MASTER PETROLEUM & DEVELOPMENT CO, INC.

APD: MC #1

- 1) The area of operation and disturbance is limited to the dimensions of 150×150 feet inclusive of the reserve pit.
- 2) Vehicular travel will be limited to a single track.
- 3) Six inches of topsoil will be removed from the pit area and stockpiled separately from the diggings.
- 4) A seed mixture will be perscribed by the Grand Resource Area office upon request for abandonment.
- 5) After the initial reclamation has been accepted, final abandonment release will be issued when the seeding is shown to be successful. This will be determined by an Authorized Officer from the Grand Resource Area office.

NOTIFICATIONS

Notify Jeff Robbins of the Grand Resource Area, at (801) 259-8193 for the following:

- 2 days prior to commencement of dirt work, construction, or reclamation;
- 1 day prior to spudding;
- 1 day prior to running and cementing surface casing;
- 1 day prior to pressure testing of surface casing.

Notify the Moab District Office, Branch of Fluid Minerals, at (801) 259-6111 for the following:

No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly drilled dry holes, and emergency situations, verbal approval can be obtained by calling the following individuals, in the order listed:

Dale Manchester, Petroleum Engineer Office Phone: (801) 259-6111

Home Phone: (801) 259-6239

Eric Jones, Petroleum Engineer Office Phone: (801) 259-6111

Home Phone: (801) 259-2214

If unable to reach the above individuals, including weekends, holidays, or after hours, please call the following:

Lynn Jackson, Office Phone: (801) 259-6111

Chief, Branch of Fluid Minerals

Home Phone: (801) 259-7990

24 HOURS ADVANCE NOTICE IS REQUIRED FOR ALL ABANDONMENTS.

NOTE TO WELL FILE

MC 1 API 43-019-31293

OCTOBER 3, 1991

PROBLEM

THE APD FOR THIS WELL WAS ORIGINALLY APPROVED 9/13/89. THE BLM DIDN'T RESCIND IT WHEN THEY SHOULD HAVE (ONE YEAR). MASTER PETROLEUM SUBMITTED A NEW APD IN MARCH OF 1991. TAS CALLED THE BLM, AND THEY SAID THAT THEY WOULD RESCIND THE ORIGINAL 1989 APD AS SOON AS THEY COULD GET AROUND TO IT AND WOULD APPROVE THE NEW 1991 APD.

BEING CONSISTENT, WE SHOULD HAVE LA'D THE ORIGINAL APD AT THAT TIME, THEN APPROVED THE NEW APD WITH A NEW API NUMBER AND COMPUTER SCREEN IN THE IBM. THIS IS THE PROCEDURE CURRENTLY FOLLOWED WHEN A WELL IS LA'D THEN LATER RE-PERMITTED. INSTEAD, RJF WANTED THE NEW APD TREATED MORE LIKE A REQUEST TO EXTEND THE 1989 APD AND INSTRUCTED US TO NOT LA THE 1989 APD UNTIL THE BLM DID. I ARGUED AGAINST THIS AS I THOUGHT IT WOULD ONLY CREATE PAPERWORK CONFUSION IN THE LONG RUN. I LOST THE ARGUMENT.

WE APPROVED THE NEW APD WITHOUT TAKING ANY ACTION ON THE 1989 APD. THE FOLLOWING MONTH, WE RECEIVED A RESCIND LETTER FROM THE BLM FOR THE FIRST APD. WE LA'D THE WELL NOT REMEMBERING OR REALIZING THAT WE REALLY HAD TWO ACTIVE APDS IN PLACE FOR THE WELL.

CJK BROUGHT THE FILE TO ME ON 10/2/91 TO ADVISE ME THAT WE WERE SHOWING THE WELL AS LA'D WHILE A DRILLING RIG IS OUT DRILLING IT.

TO COMPLY WITH RJF'S INSTRUCTIONS, WE HAVE ONE SCREEN SET UP IN THE IBM DATA BASE. IT SHOWS THE 1991 APD DATA WITH COMMENTS INDICATING THAT THE 1989 APD WAS RESCINDED. THE SAME APPLIES FOR THE CARDEX FILE.

DTS 10/3/91



State of Utable DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203 801-538-5340

September 13, 1989

Master Petroleum & Development Co., Inc. 814 South 7th Street Grand Junction. Colorado 81501

Gentlemen:

Re: M C #1 - SW SE Sec. 10, T. 21S, R. 23E - Grand County, Utah 611' FSL, 2354' FEL

Approval to drill the referenced well is hereby granted in accordance with the Order of Cause No. 102-16B dated November 15, 1979, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

In addition, the following actions are necessary to fully comply with this approval:

- 1. Spudding notification within 24 hours after drilling operations commence.
- 2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
- 3. Submittal of the Report of Water Encountered During Drilling, Form 7.
- 4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (80I) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
- 5. Compliance with the requirements of Rule R6l5-3-20, Gas Flaring or Venting, Oil and Gas Conservation General Rules.



DIVISION OF OIL, GAS & MINING Page 2
Master Petroleum & Development Co., Inc.
M C #1
September 13, 1989

- 6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (80I) 538-6121.
- 7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-019-31293.

Sincerely,

Associate Director, Oil & Gas

lcr

Enclosures

cc: Bureau of Land Management

D. R. Nielson J. L. Thompson

WE14/1-2

MASTER PETROLEUM & DEVELOPMENT CO., INC.

Complete Oil and Gas Land Management Production Development

814 South 7th Street Grand Junction, Colorado 81501 (303) 241-4213

February 28, 1991

Utah Division of Oil, Gas & Mining 355 West North Temple Three Triad Center, Suite 350 Salt Lake City, Utah, 84180-1203

RE: Application for Permit to Drill Well # M.C. 1

Gentlemen,

Enclosed is an A.P.D. for the M.C. #1 well and a copy of the prior approval to drill the well. We anticipate commencement of drilling operations as soon as approvals are recieved. If you have any questions please do not hesitate to contact me at your earliest convenience.

Thomas A. Kucel, pres.

RECEIVED MAR 04 1991

DIVISION OF OIL, GAS & MINING

Form 3160-3 (November 1983) (formerly 9-331C)

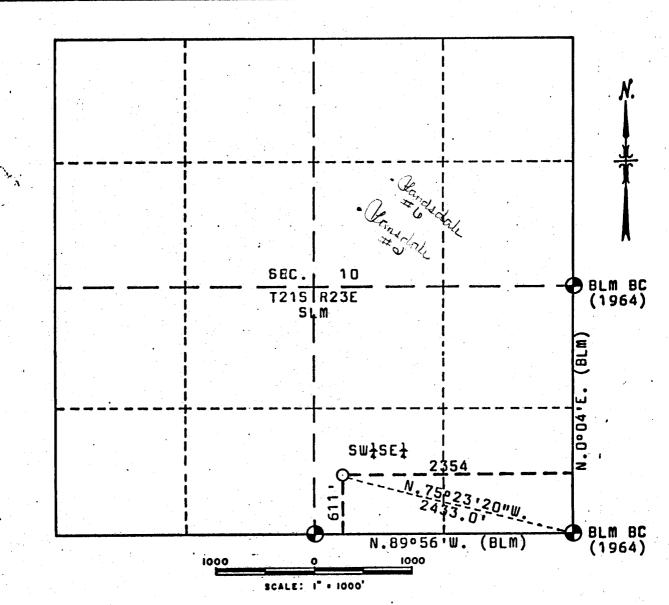
UNITED STATES (Other instruct reverse sld

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved. Budget Bureau No. 1004-0136 Expires August 31, 1985

(formerly 9-331C)	and the second s	T OF THE IN		***	5. LEARE DESIGNATI	ON AND SERIAL NO.
		LAND MANAGE			U-30956-A	
APPLICATIO	N FOR PERMIT	TO DRILL, D	EEPEN, OR PLUG I	BACK	6. IF INDIAN, ALLOT	TES OF TRISE NAME
1a. TYPE OF WORK	ILL 🖾	DEEPEN [PLUG BA	CK 🗆	7. UNIT AGREEMENT	NAMB
WELL N V	VELL OTHER		SINGLE MULTI	PLB	8. FARM OR LEASE	NAMB
2. NAME OF OPERATOR	- 0 D - 1 - 1	Co. In			9. WELL NO.	
	oleum & Develop	pement Co., In	C.		M.C.#1	
8. ADDRESS OF OPERATOR	th St., Grand	Junction, Col	o 81501	,	10. FIELD AND POOL	
4 LOCATION OF WELL (F	Report location clearly an	d in accordance with	any State requirements.*)		Greater C	isco 0105
At Hurrace 611	FSL, 2354' FEI	L, Section 10	, T21S, R23E SLM	&B	11. SEC., T., R., M., C AND SURVEY OR	
At proposed prod. so	ne				Section 10	,T21S,R23E SI
	of Cisco, Utah		OFFICE*		Grand	Utah
15. DISTANCE FROM PROP LOCATION TO NEARES PROPERTY OR LEASE (Also to nearest dr)	T	611'	16. NO. OF ACRES IN LEASE 40	TO T	OF ACRES ASSIGNED THIS WELL 10	3
18 DISTANCE PROM PRO		500'	19. PROPOSED DEPTH		ARY OR CABLE TOOLS	
OR APPLIED FOR, ON TH	TIS LEASE, FT.		1100' SLTW	l ro	tary	WORK WILL START
21. ELEVATIONS (Show w)	hether DF, RT, GR, etc.) 408 Gr				4-5-91	
23.		PROPOSED CASING	AND CEMENTING PROGR	ΛM		
SIZE OF HOLE	BIZE OF CARING	WEIGHT PER FOO	T SETTING DEPTH		QUANTITY OF CE	HENT
81"	7"	23#	160'		Sxs	
6111	4½"	10.5#	1100'	40	sxs	
To the evo	nt production i	e establishe	ent will be circulord at the target de provide zone segr	pth 4½" egation	casing will	7 ED
gone. If proposal is to preventer program, if an 24.	drill or deepen direction	proposal is to deepe naily, give pertinent	pres.	nu mranut	2-2 DATE ROVED BY TO	8-91 HE STATE
APPROVED BY	WAT TRAMY	TITL		DATE	-, CA 3-	12-9/

*See Instructions On Reverse Side



MC NO.1

Located 611 feet from the South line and 2354 feet from the East line of Section 10, T215, R23E, SLM.

Elev. 4408

Grand County, Utah



SURVEYOR'S CERTIFICATE

. This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of My Knowledge and belief





UDELL S. WILLIAMS

751 Rood Avenue
Grand Junction, Colorado 81501

PROPOSED LOCATION

MC NO. 1 Sw\{\}SE\{\} BESTION 10 T21S, R23E, SLM

DRAWN BY: USW DATE: 8/22/89

Master Petroleum & Development Co., Inc. Well No. MC #1 Sec. 10, T. 21 S., R. 23 E. Grand County, Utah Lease U-30956-A

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Master Petroleum & Development Co., Inc., is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by UT0140 (Principal - Master Petroleum & Development Co., Inc.) as provided for in 43 CFR 3104.3.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

A. DRILLING PROGRAM

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, Onshore Oil and Gas Order No. 2, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to the field representative to insure compliance.

B. Additional Requirements According To Onshore Oil and Gas Order No. 2

- 2000 psi BOP & BOPE:

Annular preventer, or double rams, or two rams with one being blind and one being a pipe ram

Kill line (2 inch minimum)

- 1 kill line valve (2 inch minimum)
- l choke line valve
- 2 chokes

Upper kelly cock valve with handle available

Safety valve and subs to fit all drill strings in use

Pressure gauge on choke manifold

2 inch minimum choke line

Fill-up line above the uppermost preventer

- If repair or replacement of the BOPE is required after testing, this work shall be performed prior to drilling out the casing shoe.
- When the BOPE cannot function to secure the hole, the hole shall be secured using cement, retrievable packer or bridge plug packer, bridge plug or other acceptable approved methods to assure safe well conditions.

- Choke Manifold Equipment:

All choke lines shall be straight lines unless turns use tee blocks or are targeted with running tees, and shall be anchored to prevent whip and reduce vibration.

All valves (except chokes) in the kill line, choke manifold and choke line shall be a type that does not restrict the flow (full opening) and that allows a straight through flow.

Pressure gauges in the well control system shall be a type designed for drilling fluid service.

- 2000 psi system - Accumulator Equipment:

Accumulator shall have sufficient capacity to close all BOP's and retain 200 psi above precharge. Nitrogen bottles that meet manufacturer's specifications may be used as the backup to the required independent power source.

Accumulator precharge pressure test: This test shall be conducted prior to connecting the closing unit to the BOP stack and at least once every 6 months.

Power for the closing unit pumps shall be available to the unit at all times so that the pumps shall automatically start when the closing unit manifold pressure has decreased to a pre-set level.

Each BOP closing unit shall be equipped with sufficient number and sizes of pumps so that, with the accumulator system isolated from service, the pumps shall be capable of opening the hydraulically-operated gate valve (if so equipped), plus closing the annular preventer on the smallest size drill pipe to be used within 2 minutes, and obtain a minimum of 200 psi. above specified accumulator precharge pressure.

A manual locking device (i.e., hand wheels) or automatic locking devices shall be installed on all systems of 2M or greater. A valve shall be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve shall be maintained in the open position and shall be closed only when the power source for the accumulator system is inoperative.

- BOP Testing:

Pressure tests on ram type preventers shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed off of pressure is acceptable. For a test not utilizing a test plug, if a decline in pressure of more than 10 percent in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test of BOP stack.

Annular BOP pressure tests shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above tests shall be performed:

- **When initially installed;
- **Whenever any seal subject to test pressure is broken;
- **Following related repairs; and
- **At 30 day intervals.

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s), the check valve shall be held open or the ball removed.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.

A BOPE pit level drill shall be conducted weekly for each drilling crew.

Pressure tests shall apply to all related well control equipment.

All of the above described tests and/or drills shall be recorded in the drilling log.

- Casing and Cementing:

All waiting on cement times shall be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

All casing, except the conductor casing, shall be new or reconditioned and tested used casing that meets or exceeds API standards for new casing.

The surface casing shall be cemented back to surface either during the primary cement job or by remedial cementing.

All of the above described tests shall be recorded in the drilling log.

All indications of usable water shall be reported to the authorized officer prior to running the next string of casing of before plugging orders are requested, whichever occurs first.

Surface casing shall have centralizers on at least the bottom three joints depending on the severity of hole inclination.

Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable preflush fluid, inner string cement method.,etc. shall be utilized to help isolate the cement from contamination by the mud fluid being displaced ahead of the cement slurry.

All casing strings below the conductor shall be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi, whichever is greater, but not to exceed 70 percent of the minimum internal yield. If pressure declines more than 10 percent in 30 minutes, corrective action shall be taken.

- Mud Program Requirements:

The characteristics, use and testing of drilling mud and the implementation of related drilling procedures shall be designed to prevent the loss of well control. Sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring well control.

- -Record slow pump speed on daily drilling report after mudding up.
- -Visual mud monitoring equipment shall be in place to detect volume changes indicating loss or gain of circulating fluid volume.
- -A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH.
- -All flare systems shall be designed to gather and burn all gas. The flare line(s) discharge shall be located not less than 100 feet from the well head, having straight lines unless turns are targeted with running tees, and shall be positioned downwind of the prevailing wind direction and shall be anchored. The flare system shall have an effective method for ignition. Where non-combustible gas is likely or expected to be vented, the system shall be provided supplemental fuel for ignition and to maintain a continuous flare.

- Drill Stem Testing Requirements:

Initial opening of drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is
obtained from the authorized officer. However, DSTs may be allowed
to continue at night if the test was initiated during daylight hours
and the rate of flow is stabilized and if adequate lighting is
available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping
shall not begin before daylight, unless prior approval is obtained
from the authorized officer. Closed chamber DSTs may be accomplished day or night.

- -A DST that flows to the surface with evidence of hydrocarbons shall be either reversed out of the testing string under controlled surface conditions, or displaced into the formation prior to pulling the test tool. This would involve providing some means for reverse circulation.
- -Separation equipment required for the anticipated recovery shall be properly installed before a test starts.
- -All engines within 100 feet of the wellbore that are required to "run" during the test shall have spark arresters or water cooled exhausts.

- Special Drilling Operations:

In addition to the equipment already specified elsewhere in Onshore Order No. 2, the following equipment shall be in place and operational during air/gas drilling:

- -Properly lubricated and maintained rotating head;
- -Spark arresters on engines or water cooled exhaust;
- -Blooie line discharge 100 feet from well bore and securely anchored;
- -Straight run on blooie line unless otherwise approved;
- -Deduster equipment;
- -All cuttings and circulating medium shall be directed into a reserve or blooie pit;
- -Float valve above bit;
- -Automatic igniter or continuous pilot light on the blooie line;
- -Compressors located in the opposite direction from the blooie line a minimum of 100 feet from the well bore;
- -Mud circulating equipment, water, and mud materials (does not have to be premixed) sufficient to maintain the capacity of the hole and circulating tanks or pits.

STIPULATIONS TO BE ADDED TO THE THE SURFACE USE PLAN

MASTER PETROLEUM & DEVELOPMENT CO, INC.

APD: MC #1

- 1) The area of operation and disturbance is limited to the dimensions of 150×150 feet inclusive of the reserve pit.
- 2) Yenicular travel will be limited to a single track.
- 3) Six inches of topsoil will be removed from the pit area and stockpiled separately from the diggings.
- 4) A seed mixture will be perscribed by the Grand Resource Area office upon request for abandonment.
- 5) After the initial reclamation has been accepted, final abandonment release will be issued when the seeding is shown to be successful. This will be determined by an Authorized Officer from the Grand Resource Area office.

NOTIFICATIONS

Notify Jeff Robbins of the Grand Resource Area, at (801) 259-8193 for the following:

- 2 days prior to commencement of dirt work, construction, or reclamation;
- 1 day prior to spudding;
- l day prior to running and cementing surface casing;
- 1 day prior to pressure testing of surface casing.

Notify the Moab District Office, Branch of Fluid Minerals, at (801) 259-6111 for the following:

No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly drilled dry holes, and emergency situations, verbal approval can be obtained by calling the following individuals, in the order listed:

Dale Manchester, Petroleum Engineer Office Phone: (801) 259-6111

Home Phone: (801) 259-6239

Eric Jones, Petroleum Engineer Office Phone: (801) 259-6111

Home Phone: (801) 259-2214

If unable to reach the above individuals, including weekends, holidays, or after hours, please call the following:

Lynn Jackson, Office Phone: (801) 259-6111

Chief, Branch of Fluid Minerals

Home Phone: (801) 259-7990

24 HOURS ADVANCE NOTICE IS REQUIRED FOR ALL ABANDONMENTS.

BUREAU OF LAND MANAGEMENT MOAB DISTRICT CONDITIONS OF APPROVAL FOR PERMIT TO DRILL

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BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventors will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventors will be pressure-tested before drilling casing cement plugs. The Resource Area will be notified 2 days in advance when pressure tests are to be conducted.

(Casing Program and Auxiliary Equipment: 7" surface casing will be comented from the
	emented to surface. 42" production casing will be cemented from the
	producing formation to at minimum of 50 feet above the productive a
	production casing has been tested and inspected.
	Anticipated cements tops will be reported as to depth, not the
	expected number of sacks. The Resource Area (will/wixxxxxxt) be notified1 days in advance when running casing strings and
	cement.
	Wed Descript and Cinculating Modium: 1831 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
-	Mud Program and Circulating Medium: Well shall be air drilled to
	Brine (10#) shall be used to kill the well in the event of product:
	Mud tank and Gaso mud pump shall be on location for this purpose.
	•
	Blooie line will be misted to reduce fugitive dust when air drillin
١	Coring, Logging, and Testing Program: No logs are anticipated. Pro
	ductive formations will be tested as they are encountered. Samples
	shall be taken in ten foot intervals beginning at 600'

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data opbtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cutting, fluids, and/or gases) will be submitted when requested by the Moab District Manager.

7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards:

Maximum anticipated well pressure is less than 500 psi. BOP is of sufficient size to allow for complete control of this pressure.

(3000 psi rating).

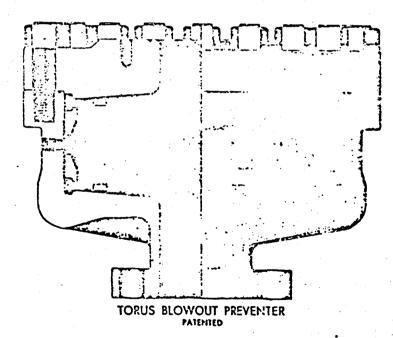
- 8. Anticipated Starting Nates and Notification of Operations:
 - The operator will contact the $\frac{GRAND}{at}$ Resource Area at $\frac{1-801-259-8193}{any}$, forty-eight (48) hours prior to beginning any dirt work on this location.
 - No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obabined and notification given before resumption of operations.
 - The spud date (will/willxxxxxxx) be reported orally to the Area Manager within a minimum of twenty-four (24) hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within twenty-four (24) hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.
 - In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6, Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed directly with the BLM District Office, P.O. Box 970, Moab, Utah 84532. MMS.
 - c Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of NTL-3A.
 - If the replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed for prior approval of the District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergency situations, verbal approval to bring on a replacement rig will be approved by the District Petroleum Engineer.
 - c Should the well be successfully completed for production, the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) business days following the date on which the well is placed on production.
 - A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.
 - No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be

REGAN BLOWOUT PREVENTERS

The Regan Torus Blowout Preventer is used or marily on production and workover rigs for well central up to 2000 PSI working pressure

DESIGN FEATURES

- a. The Torus Preventer is designed for minimum height to facilitate its use with production and workover rigs.
- b. The rubber packer will conform to any obtain the well bore. Sealing ability is not affected by minor damage to the inner bore.
- c. The packer will seal an open hole at full working pressure.
- c. The dual packer design increases the reliability of the preventer since the outer rubcondition exposed to the will bore. Under ordinary salvice, the outer packer is rarely



SPECIFICATIONS

	D!!.	:ENS!ONS (I	.)			R/RX		(I) Boltom Rang
 Test Protouce (psl)	Putside Biometer	Thru Born	Overall Neight	Weight ('b.)	Flammes (1)	Ring Grooves	Side Outlet	for one with in pai API-53 ff used with ob-
 	22	- 7/10		1760	Nom. 6	45	Hong 27 1 P	Racee) Top should be

(1) Boltom flange heles elengated for one with either 2003 or 30:00 psi API-63 flance. (Also can be used with obsolete Ser. 400 API flance.) Tup flange poversity stunded for 30:03 pcs. 429-64 obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Manager within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

- Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.
- Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The marker will be constructed as follows: 4½" casing will be secured to the well, approx. 5' above Gr., bearing the appropriate description. The top of the marker will be closed or capped.
- Let The following minimum information will be permanently placed on the marker plate, cap or beaded-on with a welding torch:
- "Fed" or "Ind", as applicable, "Well Number, location by 1/4 1/4 section, township and range". "Lease Number".

r i	Other:			· · · · · · · · · · · · · · · · · · ·
		 	 	

B. THIRTEEN-POINT SURFACE USE PLAN

1. Existing Roads:

- a. Location of proposed well in relation to town or other reference point: Approximately 4 miles Northwest of Cisco, Utah.
- b. Proposed route to location: Exit Hwy. 6 & 50 at a point East of Cisco onto a county road to operators Right of Way # U-54/03 to location.
- C. Plans for improvement and/or maintenance of existing roads:

 Operator presently maintains the existing roads as required. No
 new improvements are needed to access the location other than a
 short (400± ft.) location access point.
- d. Other: All new ground disturbance shall be minimal. In the event the well is productive any new improvements shall be upgraded as required.

a.	The maximum total disturbed width will be 12 feet.
b.	Maximum grades: none
	Trux Trux grades
c.	Turnouts: none
d. .	Location (centerline):
e.	Drainage:
f.	Surface Materials: minimal surface disturbance, there will not be a need to stockpile any surface material
g.	Other:
Surf appr be a The III) dril will	ace disturbance and vehicular travel will be limited to the oved location and access road. Any additional area needed will pproved by the Area Manager in advance. access road will be rehabilitated or brought to Resource (Class Road Standards within sixty (60) days of dismantling of the ling rig. If this time frame cannot be met, the Area Manager be notified so that temporary drainage control can be installed g the access road.
Surf appr be a The III) dril will alon	ace disturbance and vehicular travel will be limited to the oved location and access road. Any additional area needed will pproved by the Area Manager in advance. access road will be rehabilitated or brought to Resource (Class Road Standards within sixty (60) days of dismantling of the ling rig. If this time frame cannot be met, the Area Manager be notified so that temporary drainage control can be installed g the access road. tion of Existing Wells: Federal #1 - SWSE sec.10., MPD 10-2C- NWSE
Surfapprobe a The III) dril will alon	ace disturbance and vehicular travel will be limited to the oved location and access road. Any additional area needed will pproved by the Area Manager in advance. access road will be rehabilitated or brought to Resource (Class Road Standards within sixty (60) days of dismantling of the ling rig. If this time frame cannot be met, the Area Manager be notified so that temporary drainage control can be installed g the access road. tion of Existing Wells: Federal #1 - SWSE sec.10., MPD 10-2C- NWSE

- If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.
- All loading lines and valves will be placed inside the berm surrounding the tank battery.
- All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.
- c All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.
- 6 All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.
- Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the wellhead to the meter along with any other sections occurring on the pad. Meter runs will be housed and/or fenced.
- The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three (3) months on new meter installations and at least quarterly thereafter. The Area Manager will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration reports meter-proving schedules. A copy of the meter calibration reports will be submitted to the Resource Area Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement

5. Location and Type of Water Supply:

Colorado River at Fish Ford.	
temporary water use permit for this operation withe Utah State Engineer later obtained on private land, or land administer agency, will require approval from the owner or all and.	rad by another
Source of Construction Material:	

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3. Source of construction material (will/will not) be located on lease.

	Methods of Handling Water Disposal:
G	The reserve pit (will/will/pot) be lined All cuttings and drilling fluids shall be discharged in to a reserve pit and buried upon well completion. Trash and other waste shall be contained in a trash cage and removed from location.
•	Three sides of the reserve pit will be fenced with before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.
	All trash must be contained and disposed of by: Master Petroleum & Development CoInc.
	If burning is required, a permit will be obtained from the State Fire Warden
•	Produced waste water will be confined to a kkkmxxd/unlined) pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B). Other:
	Ancillary Facilities:
,	Camp facilities (XXXXXV)will not) be required. They will be located:
	Well Site Layout:
•	Well Site Layout: The reserve pit will be located: <u>120 feet East Southeast of the dri</u> hole

/	Access to the well pad will be from: Existing Federal #1 wellsit East of the proposed location from operators R/W #U-54703
7	The trash pit will be located: Trash bin will be located next to dog house and removed when operations cease.
]	Plans for Restoration of Surface: Immediately upon completion of drilling, the location, and surrounding areas will be cleared of all remaining debris, materia trash, and junk not required for production.
١	Before any dirt work to restore the location and surrounding area will be cleared of all remaining debris, materials, trash and junk not required for production.
•	The operator or his contractor (will/will not) notify the Resource Area at forty-eight (48) hours before starting reclamation work that involves earthmove equipment and upon completion of restoration measures.
	All disturbed areas will be recontoured to the approximate natural contours.
	The stockpiled topsoil will be evenly distributed over the disturbareas.
	Prior to reseeding, all disturbed areas, including the access road will be scarified and left with a rough surface.
•	Seed will be broadcast or drilled at a time specified by the BLM. broadcast, a harrow or some other implement will be dragged over t seeded area to assure seed coverage.

•	The reserve pit and that portion of the location and access road no needed for production or production facilities will be reclaimed.
	Additional Requirements:
	Surface and Mineral Ownership: Master Petroleum & Development is the Lessee of record of this
	federal Lease.
	Other Information:

- identified in accordance with 43 CFR 3162.2.
- "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.
 - The dirt contractor will be provided with an approved copy of the surface use plan.
 - A cultural resource clearance (will/will not) be required before any construction begins. If any cultural resources area found during construction, all work will stop and the Area Manager will be notified.

This permit will be valid for a period of one (1) year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

13. Leessee's Operator's Representative and Certification

Representative:

Name:

Tom Kucel

Address:

814 South 7th St.

Grand Junction, Colorado, 81501

Phone No.:

303-241-4213,

home

303-434-5220

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by: Master Petroleum & Development Co., Inc.

and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Date

Name and Title

B. SURFACE USE PROGRAM

The operator will contact the Grand Resource Area at (801) 259-8193, forty-eight (48) hours prior to beginning any dirt work on this location.

Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed will be approved by the Area Manager in advance.

The access road will be rehabilitated or brought to Resource (Class III) Road Standards within sixty (60) days of dismantling of the drilling rig. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.

Immediately upon completion of drilling, the location, and surrounding areas will be cleared of all remaining debris, materials, trash, and junk not required for production.

Produced waste water will be confined to a (lined/unlined) pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.

All loading lines and valves will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the wellhead to the meter along with any other sections occurring on the pad. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three (3) months on new meter installations and at least quarterly thereafter. The Area Manager will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration reports will be submitted to the Resource Area Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

All permanent (onsite for six (6) months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earth tone color to match the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six (6) months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors will be as follows:

The operator or his contractor will notify the Grand Resource Area at (801) 259-8193 forty-eight (48) hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.

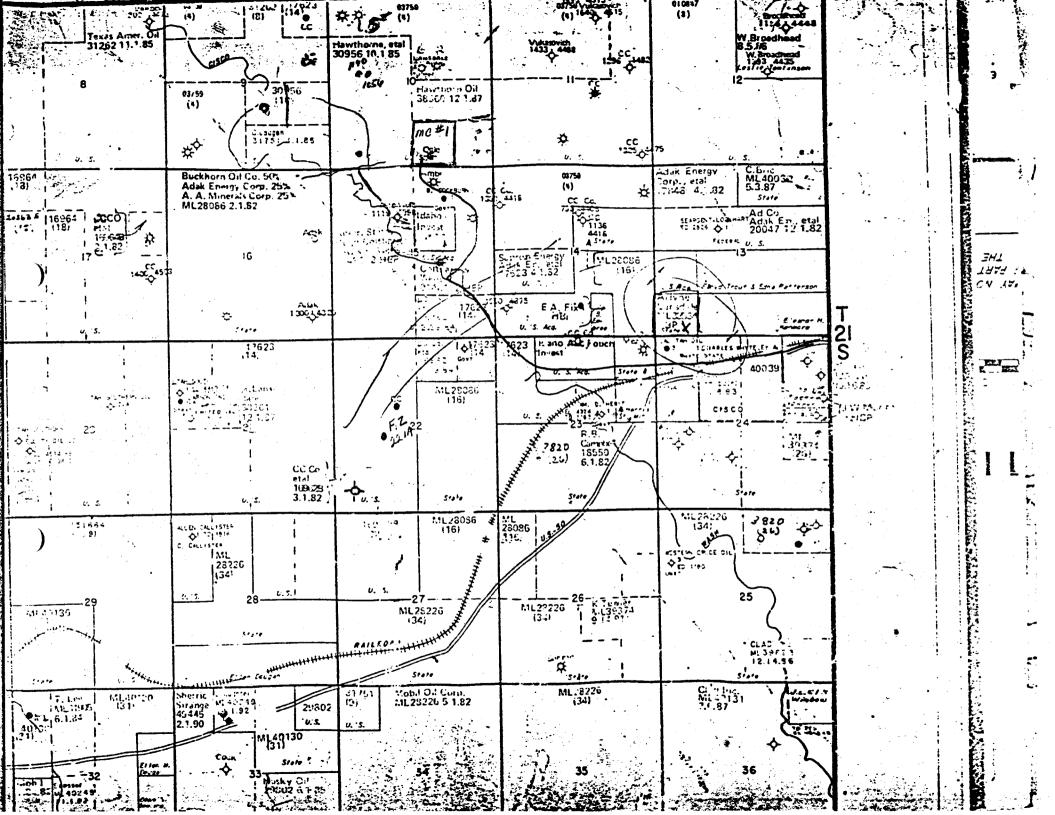
Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

The following seed mixture will be used:

	Species		1bs/acre
	Grasses		
	Agropyron spicatum Hilaria jamesii Oryzopsis hymenoides	Bluebunch wheatgrass Galleta (Curlygrass) Indian ricegrass	1
•	<u>Forbs</u>		
	Melilotus officinalis Medicago sativa	Yellow sweetclover Alfalfa (Spreador II, Nomad, Ladak)	1/2 1/2
	Shrubs		
	Eurotia lanata	Winterfat (Whitesage)	2
• !			6 1bs/acre

Broadcast seed will be applied at double the above rate.

Final location release will be issued when the seeding is shown to be successful (when perennial vegetation is established).



ACCESS KORD

RIG LAY OUT

BETTIROUM

COMPRESSOR

FOR TANK

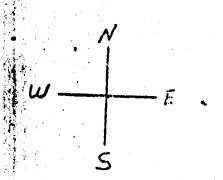
PORT TRUCK

MIND THICK + P.M.P

MATER TRUCK

MIND THICK + P.M.P

MI





United States Department of the Interior

3104 (U-942)

BUREAU OF LAND MANAGEMENT UTAH STATE OFFICE 324 SOUTH STATE, SUITE 301 SALT LAKE CITY, UTAH 84111-2303

DEC 18 1984

DECISION

Master Petroleum and Development

\$25,000 Statewide

Company, Inc.

Oil and Gas Bond

814 S. 7th Street

Grand Junction, Colorado 81501

Bond Accepted

A \$25,000 statewide oil and gas bond, No. 43-45-57, was filed in this office December 7, 1984. The bond was executed October 29, 1984, with Master Petroleum and Development Company, Inc. as principal and New Hampshire Insurance Company as surety.

This bond constitutes coverage in the State of Utah for obligations under oil and gas leases held or hereafter acquired by the principal, including lease offers, assignments, operating agreements, etc., issued under the authority of the Minerals Leasing Act of 1920, as amended, and the Mineral Leasing Act for Acquired Lands, as amended. The bond is satisfactory and is hereby accepted effective December 7, the date of filing.

Coverage under your statewide bond will not, however, extend to include additional principals, and the coverage does not extend to any lands where the principals are or become the unit operator but do not own the record title or operating rights in such lands either solely or jointly with others whose interests are likewise covered by appropriate bonds.

Chief, Minerals Adjudication Section

OPERATORS CERTIFICATION

I, Thomas A. Kucel, as president and registered agent of Master Petroleum & Development Co., Inc. hereby certify that Master Petroleum & Development Co., Inc. is the Lessee of record and the Operator of the lease and wells described in this information package. Master Petroleum & Development is insured and bonded in the state of Utah to conduct all operations associated with Oil & Gas lease develop—ment.

Thomas A. Kucel, pres.
Master Petroleum & Development
Co., Inc.



State of Utah DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

Governor
Dee C. Hansen
Executive Director
Nielson, Ph.D.
Division Director
Oversion Director
Division Director
Oversion Salt Lake City, Utah 84180-1203
801-538-5340

March 12, 1991

Master Petroleum & Development Co., Inc. 814 South 7th Street Grand Junction, Colorado 81501

Gentlemen:

Re: M.C. #1 Well, Re-entry, 611 feet from the South line, 2354 feet from the East line, SW SE, Section 10, Township 21 South, Range 23 East, Grand County, Utah

Approval to drill the referenced well is hereby granted in accordance with the Order in Cause No. 102-16B dated November 15, 1979 subject to the following stipulation:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann. Section 73-3, Appropriation.

In addition, the following actions are necessary to fully comply with this approval:

- 1. Spudding notification within 24 hours after drilling operations commence.
- 2. Submittal of Entity Action Form 6, within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
- 3. Submittal of the Report of Water Encountered During Drilling, Form 7.
- 4. Prompt notification in the event it is necessary to plug and abandon the well. Notify R. J. Firth, Associate Director, (Office) (80I) 538-5340, (Home) 571-6068, or J. L. Thompson, Lead Inspector, (Home) 298-93I8.

Page 2
Master Petroleum & Development Co., Inc.
M.C. #1
March 12, 1991

- 5. Compliance with the requirements of Utah Admin. R.6I5-3-20, Gas Flaring or Venting.
- 6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of Drinking Water/Sanitation, telephone (80l) 538-6159.
- 7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-019-31293.

Sincerely,

Associate Director, Oil & Gas

tas

Enclosures

cc: Bureau of Land Management

J. L. Thompson

we14/1-26

Form 3160-3 (November 1983) (formerly 9-331C) SUBMIT IN TRIPLICATE. (Other instructions on reverse side)

Form approved. Budget Bureau No. 1004-0136 Expires August 31, 1985

UNITED STATES DEPARTMENT OF THE INTERIOR

5. LEASE DESIGNATION AND SERIAL NO. BUREAU OF LAND MANAGEMENT U-30956-A 6. IF INDIAN, ALLOTTER OR TRIBE NAME APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 1a. TYPE OF WORK 7 UNIT AGREEMENT NAME PLUG BACK DRILL M DEEPEN _ b. TYPE OF WELL MULTIPLE Zone SINGLE ZONE S. FARM OR LEASE NAME WELL X OTHER 2. NAME OF OPERATOR 9. WELL NO. Master Petroleum & Developement Co., Inc. M.C.#1 3. ADDRESS OF OPERATOR 10. FIELD AND POOL, OR WILDCAT 814 South 7th St., Grand Junction, Colo., 81501 Greater Cisco 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) 611' FSL, 2354' FEL, Section 10, T21S, R23E SLM &B SW_{4}^{1} SE $\frac{1}{4}$ 11. SEC., T., B., M., OR BLE. AND SURVEY OR AREA At proposed prod. zone 10,T21S,R23E SLM & Section 12. COUNTY OR PARISH | 13. STATE 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE. Utah Grand 4 miles NW of Cisco, Utah NO. OF ACRES ASSIGNED TO THIS WELL. 10 15. DISTANCE FROM PROPOSED® LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 16. NO. OF ACRES IN LEASE 40 611' (Also to nearest drig, unit line, if any) 20. ROTARY OR CABLE TOOLS 19. PROPOSED DEPTH 18. DISTANCE FROM PROPOSED LOCATION®
TO NEAREST WELL, DRILLING, COMPLE TO NEAREST WELL, DRILLING, CO. OR APPLIED FOR, ON THIS LEASE, FT. 500 1100' rotary 22. APPROX. DATE WORK WILL START* 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4-5-91 4408 Gr 23. PROPOSED CASING AND CEMENTING PROGRAM SETTING DEPTH QUANTITY OF CEMENT WEIGHT PER FOOT SIZE OF CASING SIZE OF ROLE



DIVISION OF OIL GAS & MINING

IN ABOVE SPACE DE gone. Il proposal preventer program.	is to drill or deepen directionally, giv	l is to deepen or plug back, give data on present produce pertinent data on subsurface locations and measured	active some and proposed new productive and true vertical depths. Give blowout
24.	Thomas Africa	pres.	2-28-91
(This space for	r Federal or State office use)		
PERMIT NO.	/a/W	APPROVAL DATE	LIAM
APPROVED BY	/s/ Kenneth V. Rhea	ACTING DISTRICT MANAGER	
	APPROVAL, IF ANY:		

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A Dated 1/1/80

*See Instructions: On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

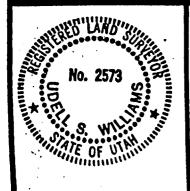
SEC. 10 BLM BC T215 R23E (1964)SIM ECENVE BLM BC MAR 2 2 199T N.89º56'W. (BLM) (1964)1000 **DIVISION OF** SCALE: 1" . 1000' DIL GAS & MINING

MC NO.1

Located 611 feet from the South line and 2354 feet from the East line of Section 10, T215, R23E, SLM.

Elev. 4408

Grand County, Utah



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE



UDELL S. WILLIAMS

751 Rood Avenue Grand Junction, Colorado 81501

PROPOSED LOCATION

MC NO. 1 Sw15E1 BERTION 10 T215, R23E, SLM

Utah RLS No. 2573

SURVEYED BY: USW

DATE: 8/22/89

DATE: 8/24/89 DRAWN BY: USW

Master Petroleum & Development Co., Inc. Well No. MC #1 SWSE Sec. 10, T. 21 S., R. 23 E. Grand County, Utah Lease U-30956A



DIVISION OF OIL GAS & MINING

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Master Petroleum & Development Co., Inc., is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by UT0140 (Principal - Master Petroleum & Development Co., Inc.) via surety consent as provided for in 43 CFR 3104.3.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

A. DRILLING PROGRAM

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Order No. 1, Onshore Oil and gas Order No. 2 and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to the field representative to insure compliance.

- 1. Surface casing shall have a centralizer on each of the bottom three joints.
- 2. Daily drilling and completion progress reports shall be submitted to the Moab District Office on a weekly basis.
- 3. Required verbal notifications are summarized in Table 1, attached. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within twenty-four (24) hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.
- 4. A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.

STIPULATIONS TO BE ADDED TO THE THE SURFACE USE PLAN

MASTER PETROLEUM & DEVELOPMENT CO, INC.

APD: MC #1

- 1) The area of operation and disturbance is limited to the dimensions of 150×150 feet inclusive of the reserve pit.
- 2) Vehicular travel will be limited to a single track.
- 3) Six inches of topsoil will be removed from the pit area and stockpiled separately from the diggings.
- 4) A seed mixture will be perscribed by the Grand Resource Area office upon request for abandonment.
- 5) After the initial reclamation has been accepted, final abandonment release will be issued when the seeding is shown to be successful. This will be determined by an Authorized Officer from the Grand Resource Area office.

C. SURFACE USE PLAN

- All site security guidelines identified in 43 CFR 3162.7-5 and ONSHORE OIL AND GAS ORDER NO.3; SITE SECURITY will be adhered to.
- 2. Gas measurement will be conducted in accordance with the ONSHORE ORDER NO. 5; GAS MEASUREMENT and 43 CFR 3162.7-3.
- 3. Oil measurement will be conducted in accordance with ONSHORE OIL AND GAS ORDER NO. 4; OIL MEASUREMENT as of the effective date of August 23, 1989 and 43 CFR 3162.7-2.
- 4. All loading lines and valves will be placed inside the berm surrounding the tank battery.
- 5. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the Assistant District Manager.
- 6. Pipeline construction activity is not authorized under this permit.
- 7. Produced waste water will be confined to a unlined pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the Assistant District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).
- 8. There will be no deviation from the proposed drilling and/or workover program without prior approval from the Assistant District Manager. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.6.
- 9. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.
- 10. The dirt contractor will be provided with an approved copy of the surface use plan of operations.
- 11. This permit will be valid for a period of one (1) year from, the date of approval. After permit termination, a new application will be filed for approval for any future operations.
- 12. Copies of all water analysis required by the State of Utah in relation to surface discharge of produced water will be submitted to the Moab District Office; Bureau of Land Management.
- 13. Plans will be formulated for long term monitoring of aquifers and springs in the area of proposed development prior to approval of further Applications for Permit to Drill.

NOTIFICATIONS

Notif	y <u>Elmer Duncan</u>	_of the	Grand	Resource Area, at
(801)	<u>259-8193</u> for the foll	owing:		
	2 days prior to commencement	of dirt wor	k, construction	or reclamation;
	l day prior to spudding;			
	50 feet prior to reaching sur	face casing	depth;	
	3 hours prior to testing BOP'	s and surfa	ce casing.	
Oneye	e person at the above number ar in the Moab District Offic 937 (If unsuccessful, then no	e at (801)	259-6111 or at 1	home (801)
	y the Moab District Office, B he following:	ranch of Fl	uid Minerals at	(801) 259-6111
	No well abandonment operation approval of the Assistant Dis In the case of newly drilled verbal approval can be obtain in the order listed.	trict Manag dry holes,	er, Minerals Di and in emergenc	vision. y situations,
	Dale Manchester, Petroleum En	ngineer	Office Phone:	(801) 259-6111
	·		Home Phone:	(801) 259-6239
	Eric Jones, Petroleum Enginee	er	Office Phone:	(801) 259-6111
	e e		Home Phone:	(801) 259-2214

24 HOURS ADVANCE NOTICE IS REQUIRED FOR ALL ABANDONMENTS

or after hours please call the following:

Chief, Branch of Fluid Minerals

Lynn Jackson,

If unable to reach the above individuals including weekends, holidays,

Office Phone:

Home Phone:

(801) 259-6111

(801) 259-7990

Form 3160-3 (November 1983) (formerly 9-331C)

LICATE SUBMIT IN

(Other instructions on reverse side)

Form approved.

UNITED STATES DEPARTMENT OF THE INTERIOR

Budget Bureau No. 1004-0136 Expires August 31, 1985

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		OF LAND MANAGEME			U-30956-A	•
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TYPE OF WORK					7. UNIT AGREEMENT N.	AMB -
	DRILL 🖾	DEEPEN 🗌	PLUG BA	CK \square		
OIL T	0.8		SINGLE MULTII	PLE [S. FARM OR LEASE NAM	(8
NAME OF OPERATOR	WELL OTHER					
Master Pe	troleum & Devel	opement Co., Inc.			9. WELL NO.	
ADDRESS OF OPERAT	TOR				M.C.#1	
814 South	7th St., Grand	Junction, Colo.	, 81501		10. FIELD AND POOL, O Greater Cis	
LOCATION OF WELL	. (Report location clearly	and in accordance with any	State requirements.	&B		
61	1' FSL, 2354' F	EL, Section 10, 7	210, 11202		11. SEC., T., R., M., OR I AND SURVEY OR AR	EA.
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		43-01	19-31-213		12. COUNTY OR PARISH	18. STATE
	W of Cisco, Uta	NEAREST TOWN OR POST OFFI			Grand	Utah
-			NO. OF ACRES IN LEASE	17. No. 0	F ACRES ASSIGNED	<u> </u>
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	drig, unit line, if any)	10	PROPOSED DEPTH	20. ROTA	RY OR CABLE TOOLS	
TO NEAREST WEL	PROPOSED LOCATIONS. L. DRILLING, COMPLETED,	500'	1100'		ary	
OR APPLIED FOR, ON	whether DF, RT, GR, etc.	<u> </u>	1100	1	22. APPROX. DATE WO	RE WILL START*
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<u>. — — </u>	4408 Gr	PROPOSED CASING AL	ND CEMENTING PROGR	AM		
		WEIGHT PER FOOT	SETTING DEPTH	 -	QUANTITY OF CEMBR	it
SIZE OF ROLE	BIZE OF CARING	23#	160'	$- {23} $	Sxs	
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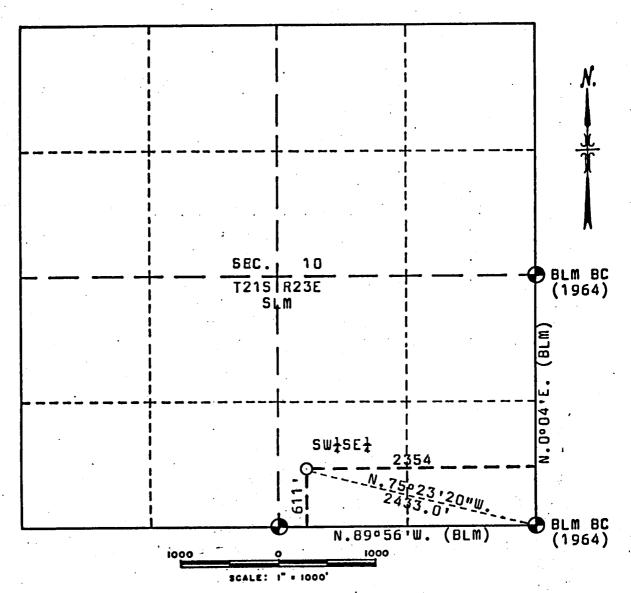
FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A

*See Instructions On Reverse Side

Dated 1/1/80

Dated 1/1/80. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

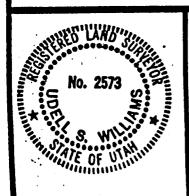
Digital States any States and States and States are false.



MC NO.1

Located 611 feet from the South line and 2354 feet from the East line of Section 10, T215, R23E, SLM.

Elev. 4408 Grand County, Utah



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE SEST OF MY KNOWLEDGE AND BELIEF





UDELL S. WILLIAMS

751 Rood Avenue Grand Junction, Colorado 81501

PROPOSED LOCATION

MC NO. 1 Swisel section 10 T215, R23E, SLM

DRAWN BY: USW DATE: 8/22/89
DRAWN BY: USW DATE: 8/24/89

Master Petroleum & Development Co., Inc. Well No. MC #1 SWSE Sec. 10, T. 21 S., R. 23 E. Grand County, Utah Lease U-30956A

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MASTER PETROLEUM & DEVELOPMENT CO, INC.

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NOTIFICATIONS

of the Grand Resource Area, at

(801) <u>259-8193</u> for the following:					
2 days prior to commencement of dirt work, construction or reclamation;					
l day prior to spudding;					
50 feet prior to reaching surface casing depth;					
3 hours prior to testing BOP's and surface casing.					
If the person at the above number cannot be reached, then notify Fred Oneyear in the Moab District Office at (801) 259-6111 or at home (801) 259-5937 (If unsuccessful, then notify one of the following people listed below).					
Notify the Moab District Office, Branch of Fluid Minerals at (801) 259-6111 for the following:					
No well abandonment operations will be commenced without the prior approval of the Assistant District Manager, Minerals Division. In the case of newly drilled dry holes, and in emergency situations, verbal approval can be obtained by calling the following individuals, in the order listed.					
Dale Manchester, Petroleum Engineer Office Phone: (801) 259-6111					

Home Phone: (801) 259-6239

Eric Jones, Petroleum Engineer Office Phone: (801) 259-6111

> Home Phone: (801) 259-2214

If unable to reach the above individuals including weekends, holidays, or after hours please call the following:

Lynn Jackson, Office Phone: (801) 259-6111

Chief, Branch of Fluid Minerals

Notify Elmer Duncan

Home Phone: (801) 259-7990

24 HOURS ADVANCE NOTICE IS REQUIRED FOR ALL ABANDONMENTS

RECORD OF DECISION AND

FINDING OF NO SI	GNIFICANT IMPACT	
EA Log No. UT-068-89-101		Lease or Serial No. U-30956-A
Project APD for well MC #1		
Applicant Masters Petroleum & Development Co.	Project Location Sec.10, T21S,	R23E , SLB&M
Address Grand Junction, Colorado	County Grand	, Utah
BLM Office Grand Resource Area	Phone No. (801) 259-8	193
RECORD OF DECISION	*	
Decision:		
I recommend approval of the APD.		
Rationale:		
The surface use plan of the Application for prevent significant impacts to the environmentations provided for in the Grand Resource CFR 3160, and National Minerals Management	ent. The APD is in confo Area RMP, consistent wit	rmance with management
Environmental Considerations: I have considered sion as documented in the accompanying environmental considerations have been adequated	ental assessment referen	ced above. All

FINDING OF NO SIGNIFICANT IMPACT (Does not apply to categorical exclusions.)

Based on the analysis of potential environmental impacts contained in the accompanying environmental assessment, referenced above, I have determined that impacts are not expected to be significant. Therefore, an environmental impact statement is not required.

Area Manager

Environmental Assessment UT-068-89-101 Masters Petroleum & Development Well MC #1

INTRODUCTION

The Grand Resource Area, Moab District of the Bureau of Land Management (BLM) received an Application for Permit to Drill (APD) from Masters Petroleum & Development Company of Grand Junction, CO.. The proposed drilling location is in Sec.10, T21S., R23E., of GrandCounty, Utah.

The proposed exploration well would be located on oil and gas lease U-30956A, assigned to Masters Petroleum. The lease was issued by the BLM subject to provisions of the lease, and regulations in 43 CFR 3160, BLM Onshore Order No. 1, 1983, and other appropriate orders and Notices to Lessees (NTL).

This environmental assessment tiers to the Grand Resource Area Resource Management Plan which directs decision making for the affected area, and to the Environmental Analysis Record (EAR) for Proposed Oil and Gas Leasing in the Grand Resource Area (1976), and RMP Supplemental Environmental Environmental Assessment # UT-060-89-025 (12/88), on file at the Grand Resource Area office), which documents in greater detail the impacts to the resources affected by the proposed action.

PROPOSED ACTION

Masters Petroleum & Development submitted an APD, 8 point drilling plan and 13 point surface use plan to the BLM with the intention of drilling an exploratory well in Sec. 10, T21S., R23E.. The proposed well would be located on oil and gas lease U-30956A (see Map 1,). The 8 point drilling plan and the 13 point surface use plan are standardized stipulations, regulations, and policy which are part of every APD package. These contain measures that provide mitigation for many of the impacts that can be expected to occur from such actions and will not be addressed further in this EA, unless noted otherwise. These documents may be found in oil and gas well file MC #1.

Because of the shallow slope of the terrain, less than two feet of cut will be required if any at all. One or two pits will be constructed depending on which drilling rig will be used. If any other construction is done it will be a short access and level area . All dirt work will be roughed in with a bulldozer. If production is achieved, areas not required will be rehabilitated. Access will be brought to BLM class lll standards. If the well is to be abandoned, all disturbed areas including accesses will be rehabilitated as perscribed by the BLM's Authorized Officer. The bore-hole will be properly cemented.

NU ACTION ALTERNATIVE

BLM would deny the APD. No surface disturbance nor drilling would occur within the lease boundaries.

AFFECTED ENVIRONMENT AND ENVIRONMENTAL CONSEQUENCES

NATURAL ENVIRONMENT

Regional Setting

The proposed site lies 4 miles northwest of the town of Cisco, Utah.

Potential source of hydrocarbons may occur in the Salt Wash, Morrison & Dakota formations.

Effects of the Proposed Action

If hydrocarbons were found, there would be an irreversible loss of unknown volume from this formation. Effects of No Action

No hydrocarbons would be explored for or removed.

Vegetation and Soil

The soil type is Mancos shale. The dominant vegetation is Mat Saltbush with 12 to 20 percent ground cover.

Effects of the Proposed Action

Within an area of 150×150 , there will be some vegetative loss and soil compaction due to pit construction, heavy equipment placement and traffic. Effects of No Action

No disturbance to the area will occur.

CULTURAL ENVIRONMENT

Mineral Lease

Lease U-30956A was issued on October 10, 1975. It is subject to terms and conditions that were in existence at the issuance date. There are 40 acres within the boundaries of this lease.

Effects of the Proposed Action

The lease will remain in effect beyond its primary term so long thereafter as hydrocarbons are produced in paying quantities (3141.5-2, 43 CFR). Local economics would be favorably impacted. A domestic energy source of unknown potential would be developed.

Effects of No Action

If the lessee made prior financial or business commitments or and arrangements, economic hardships may ensue. The terms and conditions of the lease would have been misleading and the lessee's rights would have been denied. Local economics could be unfavorably impacted. Fewer barrels of oil and cubic feet of gas would be available nationally for a domestic source of energy.

Cultural Resources

The exploration site was surveyed by an independent archaeological firm. No sites were identified.

Effects of the Proposed Action

Unidentified cultural resources at depth may be impacted.

Effects of No Action

No cultural resources would be impacted.

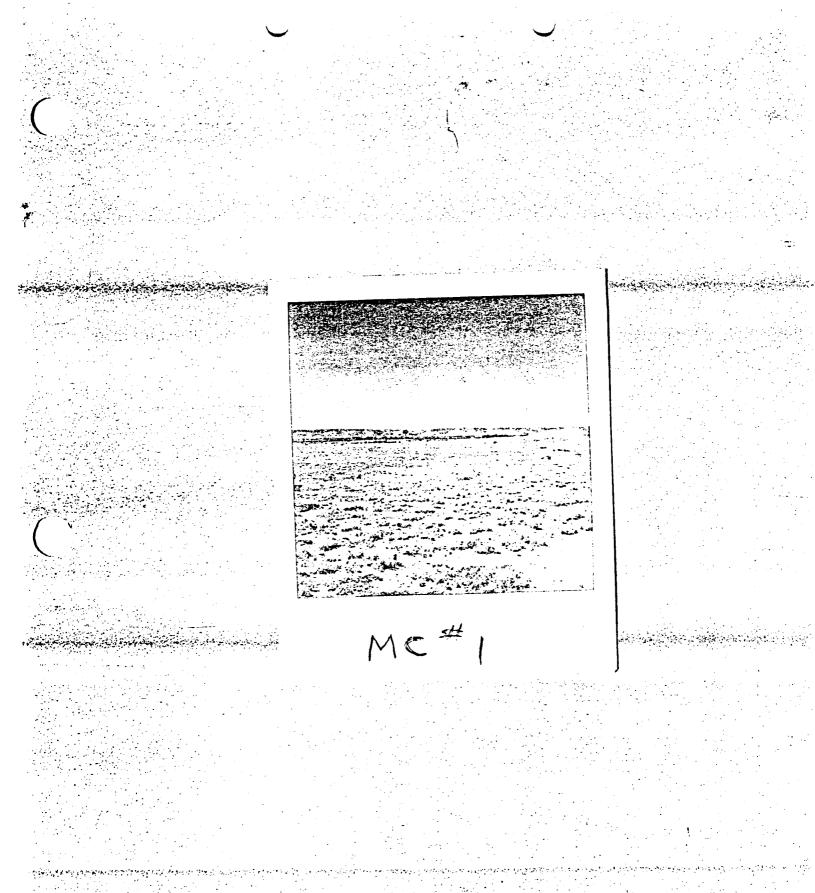
REFERENCES

Grand Resource Area Resource Management Plan Grand Resource Area Environmental Impact Statement BLM SVIM soil survey data RMP supplemental Environmental Assessment # UT-060-89-025 Checklist for Environmental Assessment

APPENDICES

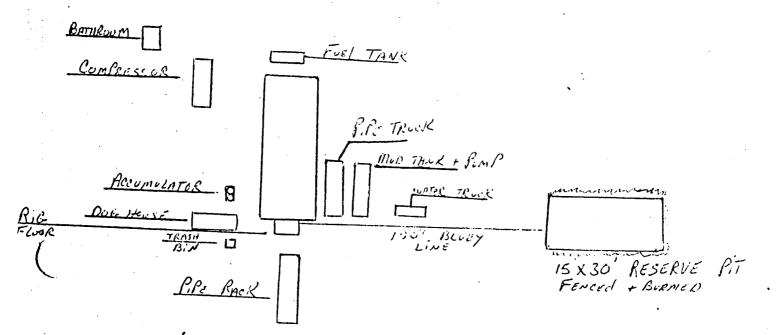
Site pictures
 Pit & pad layout

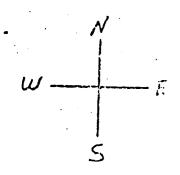
MAPS General topo



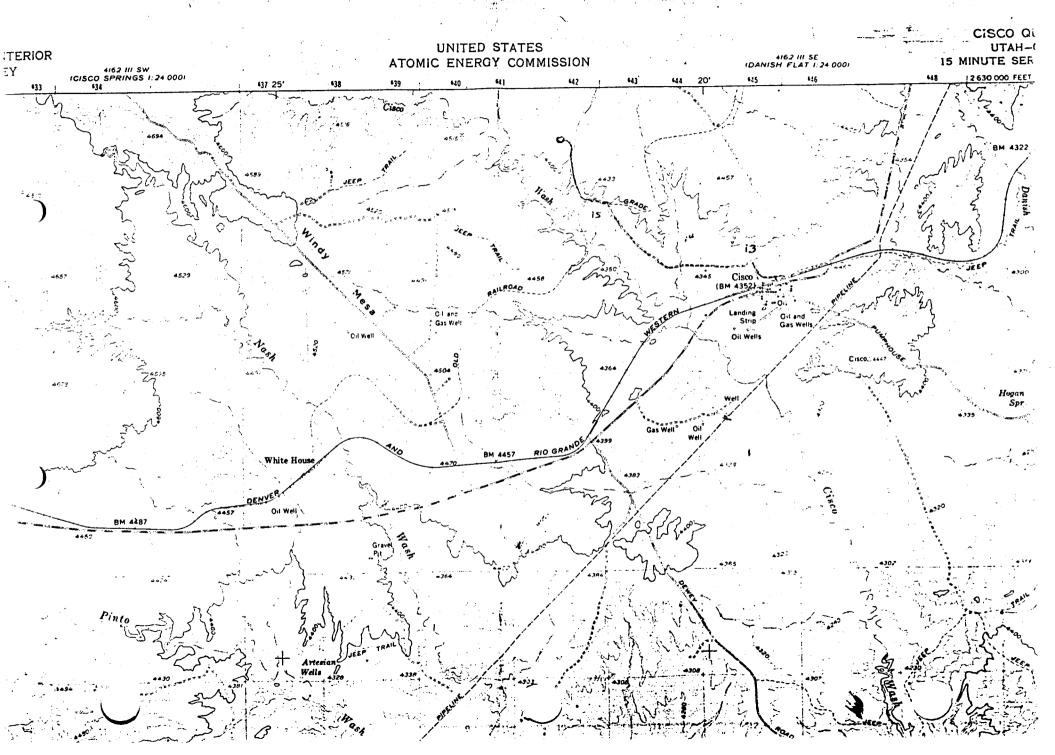
RIG LAY OUT

ACCESS ROAD





General topo Costpaquias



BUREAU OF LAND MANAGEMENT MOAB DISTRICT CONDITIONS OF APPROVAL FOR PERMIT TO DRILL

Company	Master Petroleum & Devel	opment Co.,Inc.	Well No. MC #1
Location	: Sec. 10 T. 2	1S R. 23E	Lease No_U-30956-A
Onsite I	nspection Date		·
complian Oil and	ice is made with applicables Gas Order No. 1, and the Associates for the actions	will be conducted in such le laws, regulations (43 Cl approved plan of operations s of his subcontractors. A the field representative to	ns. The operator is A copy of these
A. DRIL	LING PROGRAM		
1.	Mancos 0- 712		
· ·	Nakota 712 Morrison- 940' Salt Wash 1100'		
	Sait wash 1100		
2	Estimated Depth at Whic	h Oil, Gas, Water, or Mine	ral-Bearing Zones Are
,	Expected to Be Encounte	<u>red:</u>	
		Formation	<u>Depth</u>
•	Expected oil zones:	Morrison(Brushy Basin	940'
	Expected gas zones:	Dakota	712'
	Expected water zones:		
	Expected mineral zones:	graphic and a special super reasonal in the media patient in editor of the best of the special patient in special spec	

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventors will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventors will be pressure-tested before drilling casing cement plugs. The Resource Area will be notified ______2 days in advance when pressure tests are to be conducted.

C	asing Program and Auxiliary Equipment: 7" surface casing will be emented to surface. 42" production casing will be cemented from the
Ć(emented to surface. 42" production casing will be cemented from the
	producing formation to at minimum of 50 feet above the productive zone.
	production casing has been tested and inspected,
	•
ρ	nticipated cements tops will be reported as to depth, not the
e	xpected number of sacks. The Resource Area (will/www.xxxxt) be
r	otified 1 days in advance when running casing strings and
C	ement.
_	ud Program and Circulating Medium: Well shall be air drilled to T.D.
	Brine (10#) shall be used to kill the well in the event of production.
	Mud tank and Gaso mud pump shall be on location for this purpose.
_	
7	looie line will be misted to reduce fugitive dust when air drilling.
t	10016 line will be histed to reduce rudicive dust when all diffing.
,	foring, Logging, and Testing Program: No logs are anticipated. Pro-
_	ductive formations will be tested as they are encountered. Samples shall be taken in ten foot intervals beginning at 600'
_	share be taken in ten root intervars beginning at 600
_	

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data opbtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cutting, fluids, and/or gases) will be submitted when requested by the Moab District Manager.

7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards:

Maximum anticipated well pressure is less than 500 psi. BOP is of sufficient size to allow for complete control of this pressure.

(3000 psi rating).

- 8. Anticipated Starting Dates and Notification of Operations:
 - The operator will contact the at $\frac{GRAND}{1-801-259-8193}$, forty-eight (48) hours prior to beginning any dirt work on this location.
 - No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.
 - The spud date (will/willxnot) be reported orally to the Area Manager within a minimum of twenty-four (24) hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within twenty-four (24) hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.
 - In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6, Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed directly with the BLM District Office, P.O. Box 970, Moab, Utah 84532. MMS.
 - c Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of NTL-3A.
 - If the replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed for prior approval of the District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergency situations, verbal approval to bring on a replacement rig will be approved by the District Petroleum Engineer.
 - c Should the well be successfully completed for production, the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) business days following the date on which the well is placed on production.
 - A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.
 - No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be

REGAM BLOWOUT PREVENTERS

The Regan Torus Blowout Preventer is used or marily on production and workover rigs for well control up to 2000 PSI working pressure

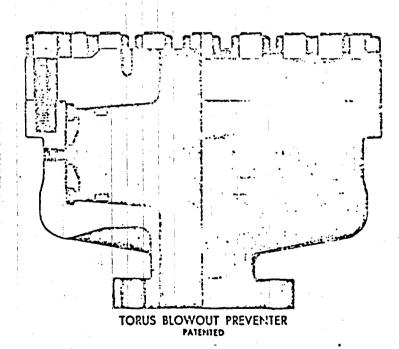
DESIGN FEATURES

num height to facilitate its use with production and workover rigs.

in the well bore. Scaling ability is not affected by minor damage to the inner bore.

The packer will scal an open hole at full working pressure.

The dual packer design increases the reliserved the preventer since the outer rubcontaining exposed to the will bore. Under the preventer, the outer packer is rarely



SPECIFICATIONS

to to establish	D!:	:ENS!ONS ((in.)		End	R/RX		(i) Bellen for us
Vest Pressur∎ (p.51)	Cutside Diameter	Thru Bora	Overall Height	Weight ('b.)	Flances (1)	Ring Greeves	Side Outlet	psi AF used u
7.4.)	i 27	797	19:5	1769	Nom. 6	45	flene	Racee.

(i) Bottom flange holes cloneated for use with either 2000 or 30:00 gai API-/3 flange, (Also can be used with obsulets Ser, 400 API flange.) Tup flange mountly studied for 3000 gain API-60 obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Manager within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

- Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.
- Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The marker will be constructed as follows: 4½" casing will be secured to the well, approx. 5' above Gr., bearing the appropriate description.

 The top of the marker will be closed or capped.
- The following minimum information will be permanently placed on the marker plate, cap or beaded-on with a welding torch:
- "Fed" or "Ind", as applicable, "Well Number, location by 1/4 1/4 section, township and range". "Lease Number".

	, Other:	13
•		

B. THIRTEEN-POINT SURFACE USE PLAN

1. Existing Roads:

- a. Location of proposed well in relation to town or other reference point: Approximately 4 miles Northwest of Cisco, Utah.
- b. Proposed route to location: Exit Hwy. 6 & 50 at a point East of Cisco onto a county road to operators Right of Way # U-54703 to location.
- C. Plans for improvement and/or maintenance of existing roads:

 Operator presently maintains the existing roads as required. No
 new improvements are needed to access the location other than a
 short (400± ft.) location access point.
- d. Other: All new ground disturbance shall be minimal. In the event the well is productive any new improvements shall be upgraded as required.

	Maximum grades: none
c .	Turnouts: none
d.	Location (centerline):
e.	Drainage:
f.	Surface Materials: minimal surface disturbance, there will is be a need to stockpile any surface material
g.	Other:
The	was and will be maked it to the brought to Decourse (Class
III) dril will	access road will be rehabilitated or brought to Resource (Class Road Standards within sixty (60) days of dismantling of the ling rig. If this time frame cannot be met, the Area Manager be notified so that temporary drainage control can be installe g the access road.
III) dril will alon Loca	Road Standards within sixty (60) days of dismantling of the ling rig. If this time frame cannot be met, the Area Manager be notified so that temporary drainage control can be installe
III) dril will alon Loca sec.	Road Standards within sixty (50) days of dismantling of the ling rig. If this time frame cannot be met, the Area Manager be notified so that temporary drainage control can be installed the access road. tion of Existing Wells: Federal #1 - SWSE sec.10., MPD 10-2C-

2.

Planned Access Roads:

- If a tank battery is constructed on this lease, it will be surfounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.
- All loading lines and valves will be placed inside the berm surrounding the tank battery.
- All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.
- c All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.
- 6 All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.
- Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the wellhead to the meter along with any other sections occurring on the pad. Meter runs will be housed and/or fenced.
- The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three (3) months on new meter installations and at least quarterly thereafter. The Area Manager will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration reports will be submitted to the Resource Area Office. All meter measurement will be submitted to the Resource Area Office for liquid facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement

5.	Location	and	Type	of	Water	Supply:

1	A temporary water use permit for this operation will be obtained from the Utah State Engineer Water obtained on private land, or land administered by another Wagency, will require approval from the owner or agency for use of the land.
	Source of Construction Material: Pad construction material will be obtained from: N/A

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3. Source of construction material (will/will not) be located on lease.

7.	Methods of Handling Water Disposal:
G	The reserve pit (will/will/not) be lined All cuttings and drilling fluids shall be discharged in to a reserve pit and buried upon well completion. Trash and other waste shall be contained in a trash cage and removed from location.
	Three sides of the reserve pit will be fenced with 4' stock fencing before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.
C.	All trash must be contained and disposed of by: Master Petroleum & Development CoInc.
d	If burning is required, a permit will be obtained from the State Fire Warden
e	Produced waste water will be confined to a (kkinxxd/unlined) pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis. Will be submitted for the District Manager's approval
2	pursuant to Onshore Oil and Gas Order No. 3 (NTL-28).
`	Other:
	vener:
8.	Ancillary Facilities:
	Camp facilities (WXXIV) will not) be required. They will be located:
9.	Well Site Layout:
	The reserve pit will be located: 120 feet East Southeast of the drill hole
	The topinches of soil material will be removed from the location and stockpiled separately on

۸ F	East of the proposed location from operators R/W #U-54703
T	The trash pit will be located: Trash bin will be located next to dog house and removed when operations cease.
P	Plans for Restoration of Surface:
c	Immediately upon completion of drilling, the location, and surrounding areas will be cleared of all remaining debris, materia trash, and junk not required for production.
١	Before any dirt work to restore the location and surrounding area will be cleared of all remaining debris, materials, trash and junk not required for production.
_	The operator or his contractor (will/will not) notify the Resource Area at (48) hours before starting reclamation work that involves earthmove equipment and upon completion of restoration measures.
	All disturbed areas will be recontoured to the approximate natural contours.
	The stockpiled topsoil will be evenly distributed over the disturbareas.
	Prior to reseeding, all disturbed areas, including the access road will be scarified and left with a rough surface.
	Seed will be broadcast or drilled at a time specified by the BLM. broadcast, a harrow or some other implement will be dragged over seeded area to assure seed coverage.

_	
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-	
_	
_	
-	
1	The reserve pit and that portion of the location and access road needed for production or production facilities will be reclaimed.
٠,	reeded for production of production ractificities with be recraimed.
_	
_	
ļ	Additional Requirements:
_	
-	
	Surface and Mineral Ownership:
-	Master Petroleum & Development is the Lessee of record of this
_	federal Lease.
_	
•	Other Information:
_	other information:
_	

- There will be no deviation from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.2.
- "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.
 - The dirt contractor will be provided with an approved copy of the surface use plan.
 - A cultural resource clearance (will/will not) be required before any construction begins. If any cultural resources area found during construction, all work will stop and the Area Manager will be notified.

This permit will be valid for a period of one (1) year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

13. Leessee's Operator's Representative and Certification

Representative.	in the control of the	
Name:	Tom Kuce1	and the second of the second o
Address:	Old Court 7th Ct	
	Grand Junction, Colorado, 81501	
Phone No.:	303-241-4213, home 303-434-5220	1

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by: Master Petroleum & Development Co., Inc.

and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Date 9/ Wensel Mame and Title

B. SURFACE USE PROGRAM

The operator will contact the Grand Resource Area at (801) 259-8193, forty-eight (48) hours prior to beginning any dirt work on this location.

Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed will be approved by the Area Manager in advance.

The access road will be rehabilitated or brought to Resource (Class III) Road Standards within sixty (60) days of dismantling of the drilling rig. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.

Immediately upon completion of drilling, the location, and surrounding areas will be cleared of all remaining debris, materials, trash, and junk not required for production.

Produced waste water will be confined to a (lined/unlined) pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.

All loading lines and valves will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the wellhead to the meter along with any other sections occurring on the pad. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three (3) months on new meter installations and at least quarterly thereafter. The Area Manager will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration reports will be submitted to the Resource Area Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

All permanent (onsite for six (6) months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earth tone color to match the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six (6) months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors will be as follows:

The operator or his contractor will notify the Grand Resource Area at (801) 259-8193 forty-eight (48) hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.

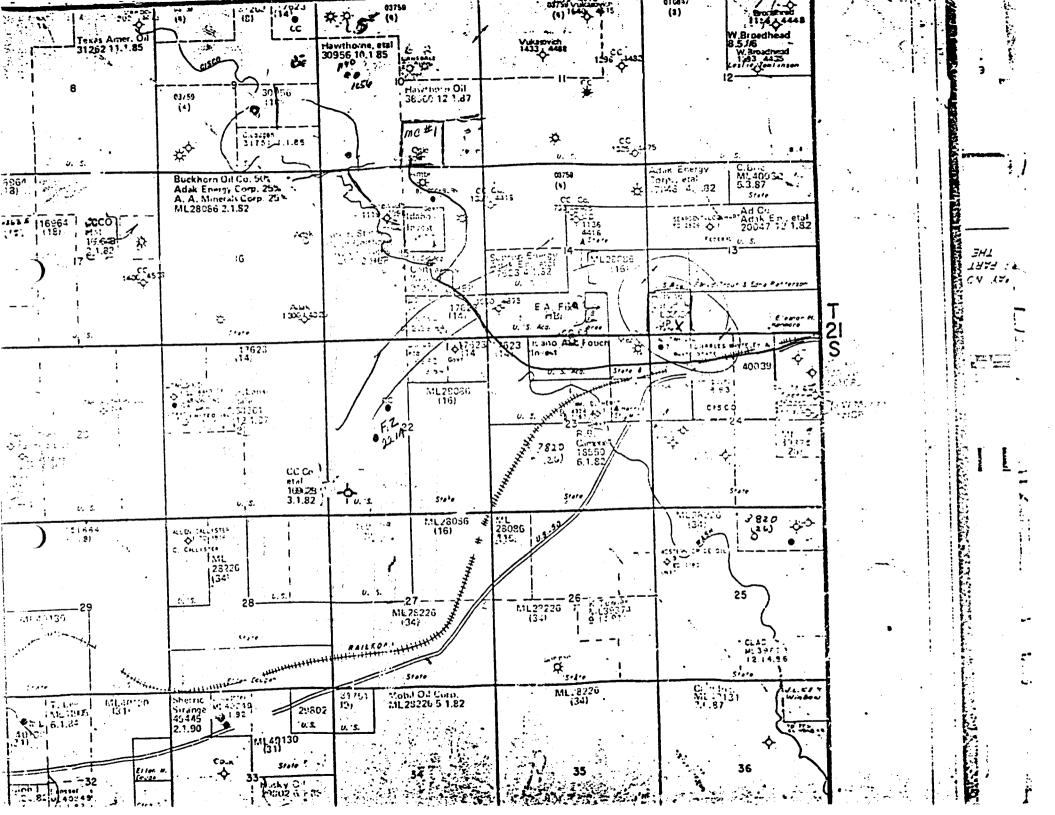
Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

The following seed mixture will be used:

Species		1bs/acre
<u> </u>		. •
<u>Grasses</u>		•
Agropyron spicatum Hilaria jamesii Oryzopsis hymenoides	Bluebunch wheatgrass Galleta (Curlygrass) Indian ricegrass	1 1 1
Forbs		
Melilotus officinalis Medicago sativa	Yellow sweetclover Alfalfa (Spreador II, Nomad, Ladak)	1/2 1/2
Shrubs		
Eurotia lanata	Winterfat (Whitesage)	2
		6 lbs/acre

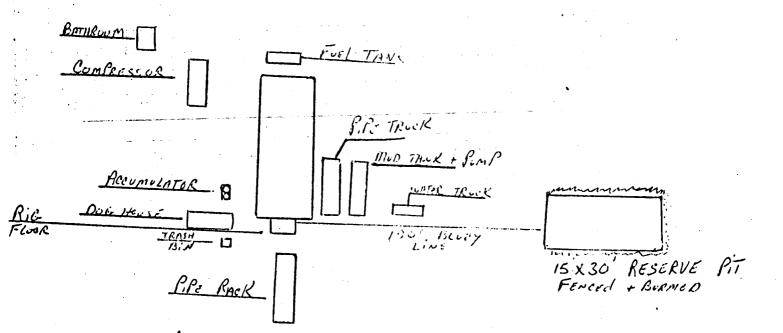
Broadcast seed will be applied at double the above rate.

Final location release will be issued when the seeding is shown to be successful (when perennial vegetation is established).



RIG LAY OUT

PARKING FIREM



 $W \longrightarrow E$



United Staws Department of the Interior

3104 (U-942)

BUREAU OF LAND MANAGEMENT UTAH STATE OFFICE 324 SOUTH STATE, SUITE 301 SALT LAKE CITY, UTAH 84111-2303

DEC 18 1984

DECISION

Master Petroleum and Development

\$25,000 Statewide

Company, Inc.

Oil and Gas Bond

814 S. 7th Street

Grand Junction, Colorado 81501

Bond Accepted

A \$25,000 statewide oil and gas bond, No. 43-45-57, was filed in this office December 7, 1984. The bond was executed October 29, 1984, with Master Petroleum and Development Company, Inc. as principal and New Hampshire Insurance Company as surety.

This bond constitutes coverage in the State of Utah for obligations under oil and gas leases held or hereafter acquired by the principal, including lease offers, assignments, operating agreements, etc., issued under the authority of the Minerals Leasing Act of 1920, as amended, and the Mineral Leasing Act for Acquired Lands, as amended. The bond is satisfactory and is hereby accepted effective December 7, the date of filing.

Coverage under your statewide bond will not, however, extend to include additional principals, and the coverage does not extend to any lands where the principals are or become the unit operator but do not own the record title or operating rights in such lands either solely or jointly with others whose interests are likewise covered by appropriate bonds.

Chief, Minerals Adjudication Section

OPERATORS CERTIFICATION

I, Thomas A. Kucel, as president and registered agent of Master Petroleum & Development Co., Inc. hereby certify that Master Petroleum & Development Co., Inc. is the Lessee of record and the Operator of the lease and wells described in this information package. Master Petroleum & Development is insured and bonded in the state of Utah to conduct all operations associated with Oil & Gas lease development.

Thomas A. Kucel, pres.
Master Petroleum & Development
Co.,Inc.

APR 29 1991

Moab District P.O. Box 970 Moab, Utah 84532

Master Petroleum & Development Co., Inc. 814 South 7th Street Grand Junction, Colorado 81501

Re: Rescinding Application for Permit to Drill

Well No. MC #1

SWSE Sec. 10, T. 21 S. R. 23 E. 43-019-31297

Grand County, Utah Lease U-30956A

Gentlemen:

The Application for Permit to Drill the referenced well was approved on September 15, 1989. Since that date, no known activity has transpired.

This approval was valid for a period of one year from the date of approval. In view of the foregoing, this office is rescinding the approval of the referenced application.

Should you intend to drill at this location at a future date, a new application for permit to drill must be submitted.

If you have any questions, please contact the Branch of Fluid Minerals at $(801)\ 259-6111$.

Sincerely yours,

Isl Eric C. Jones

Actino

Assistant District Manager Mineral Resources

Enclosure:
Application for Permit to Drill

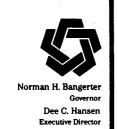
cc: GRA (w/o encl.)

State of Utah, Division of Oil, Gas & Mining (w/o encl.)

MRamstetter:mr:4/26/91

MAY 0 1 1991

DIVISION OF OIL GAS & MINING



Dianne R. Nielson, Ph.D.

Division Director

DIVISION OF OIL, GAS AND MINING

355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203 801-538-5340

May 6, 1991

Master Petroleum & Development Co., Inc. 814 South 7th Street Grand Junction, Colorado 81501

Gentlemen:

Re:

Well No. MC #1, Sec. 10, T. 21S, R. 23E, Grand County, Utah

API No. 43-019-31293

In concert with action taken by the U.S. Bureau of Land Management, approval to drill the above referenced well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,

Don Staley

Administrative Supervisor

Oil and Gas

DME/Idc

CC:

R.J. Firth

Bureau of Land Management - Moab

Well file

WOI196

Form 3160-4 (November 1983)

SUBMIT IN DUPLIC

Form approved.

Budget Bureau No. 1004-0137

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4. DISPOSITION OF G		el, vented, etc.)					

*(See Instructions and Spaces for Additional Data on Reverse Side)

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